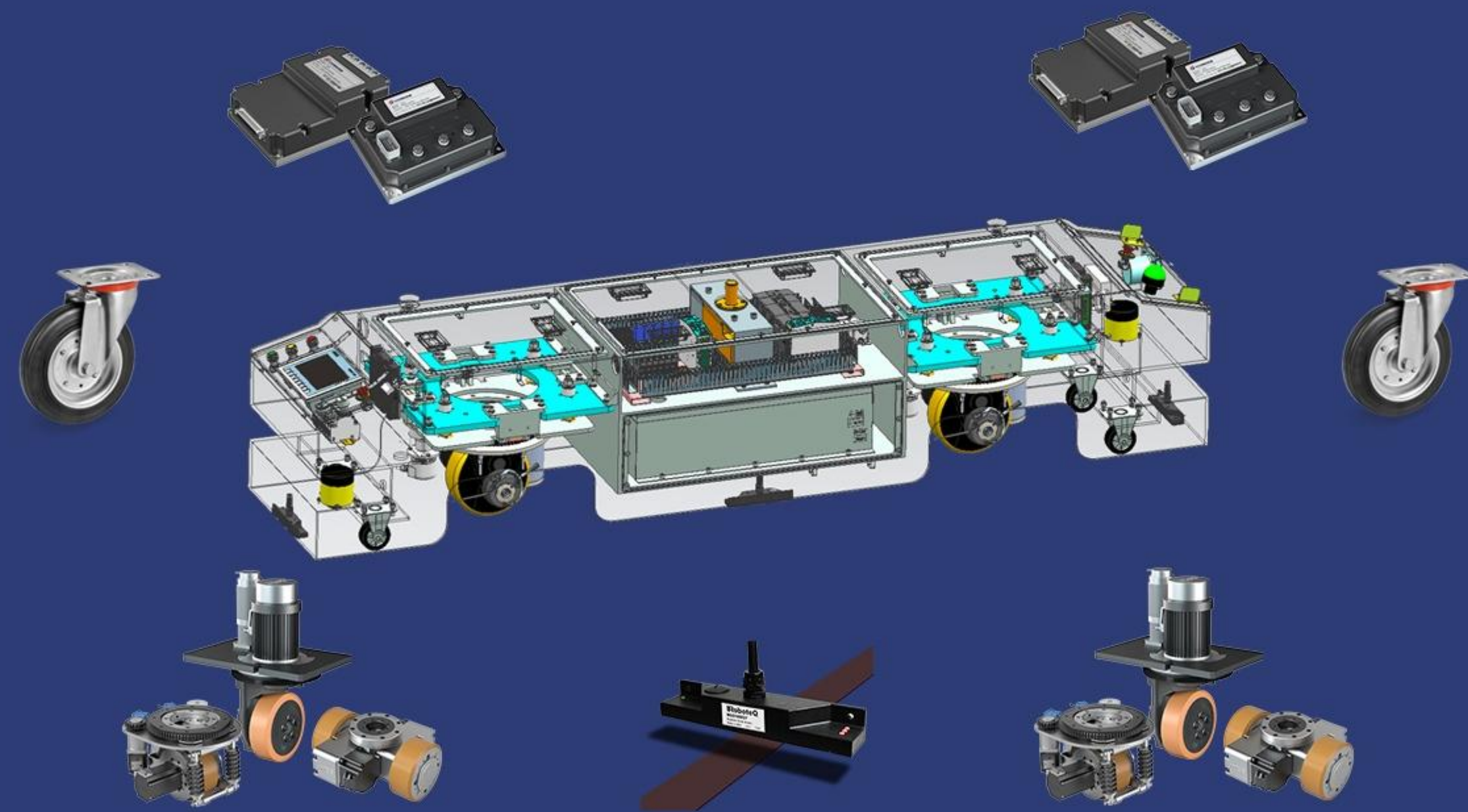


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上海布路托自动化技术有限公司 Shanghai Plutools Automation Co., Ltd.

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邮件(E-mail): eric.tang@plutools.com

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Road, Jiading District, Shanghai, China.

Code: 201807

DATE 2026.03

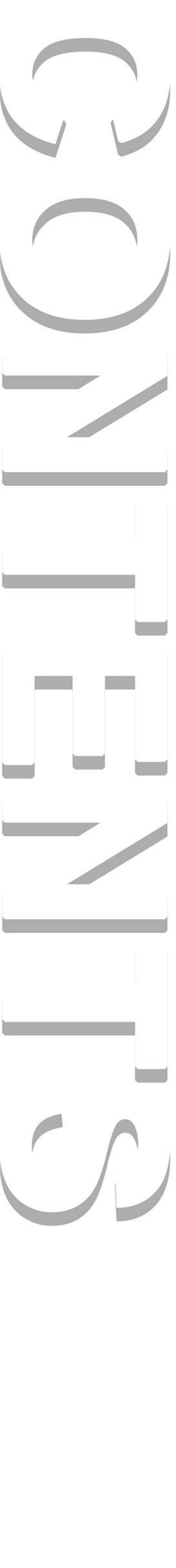


PLT驱动轮选型手册

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 23 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. is a leading provider of integrated solutions for AGV/AMR mobile robots in China. It is a national high-tech enterprise with over 23 years of experience in industry R&D and production. Headquartered in Shanghai, Plutools is recognized as a "Specialized, Refined, Unique, and Innovative" enterprise and a National "Little Giant" enterprise. Backed by a modern production base spanning over 10,000 square meters and a professional team of more than 100 employees, the company integrates R&D, design, production, and sales. Plutools focuses on breakthroughs in core motion control technologies and their industrial application. Having obtained over 200 patents, the company is committed to providing 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

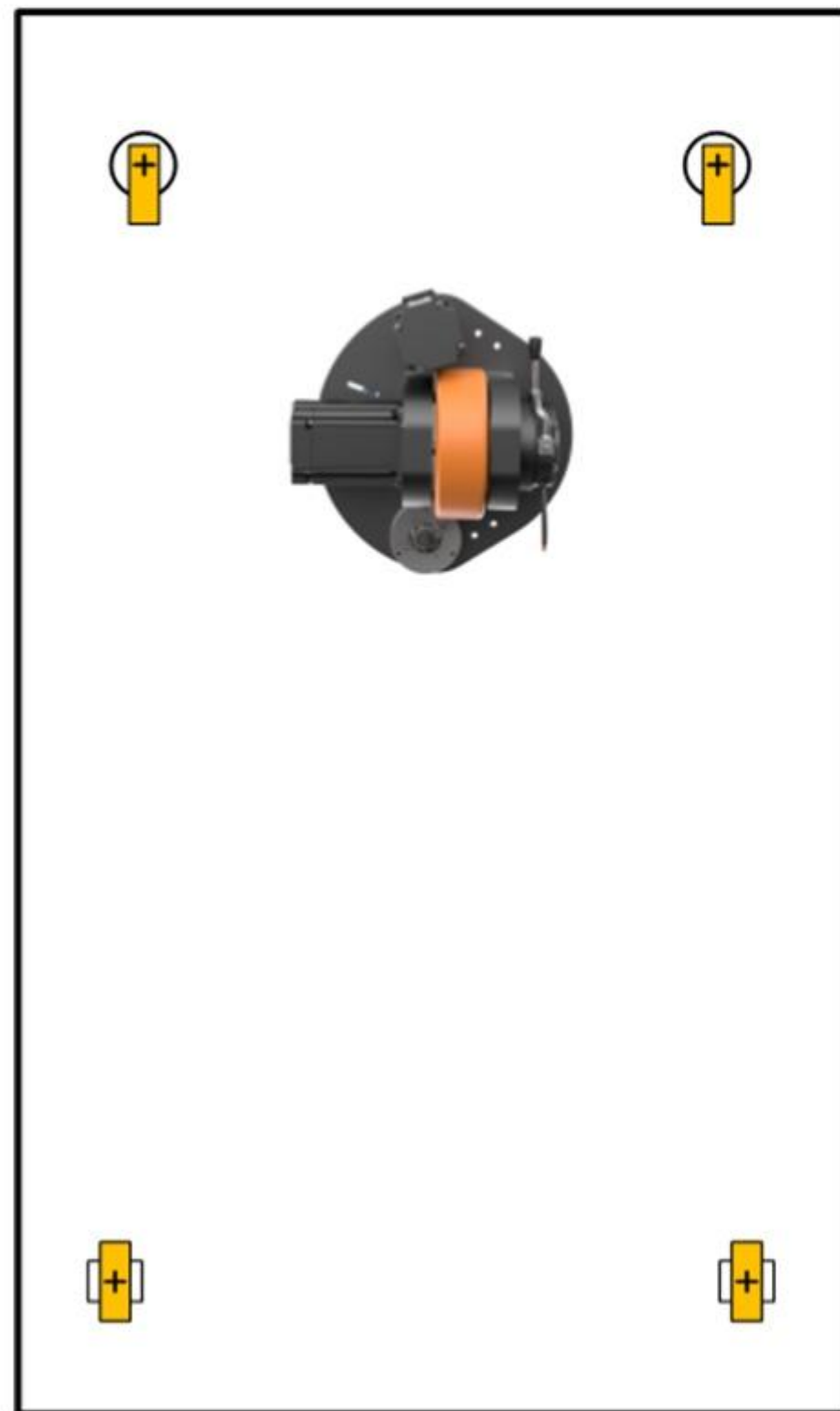


停车AGV

Parking AGV

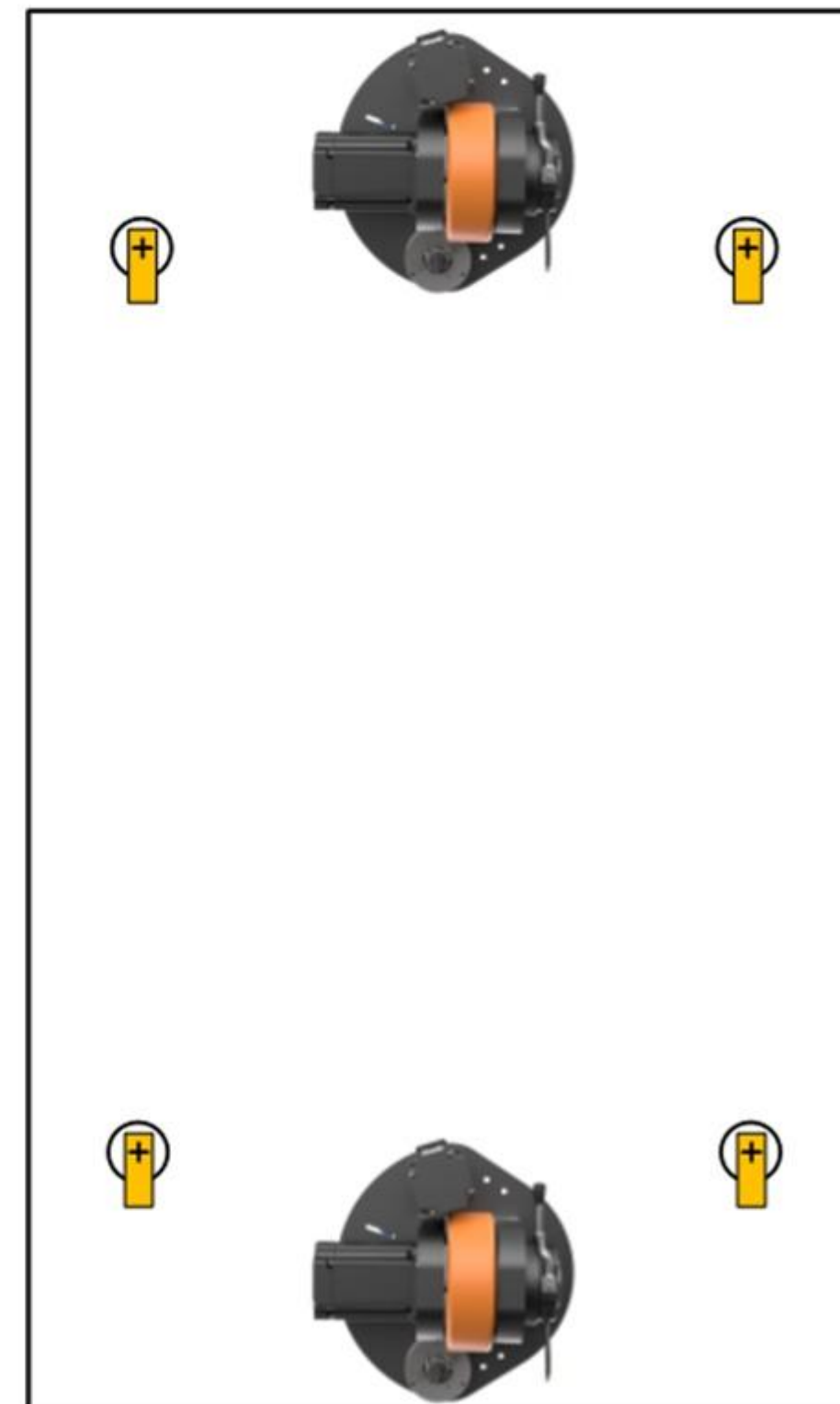
轮系布局方案

Layout solution of drive wheel



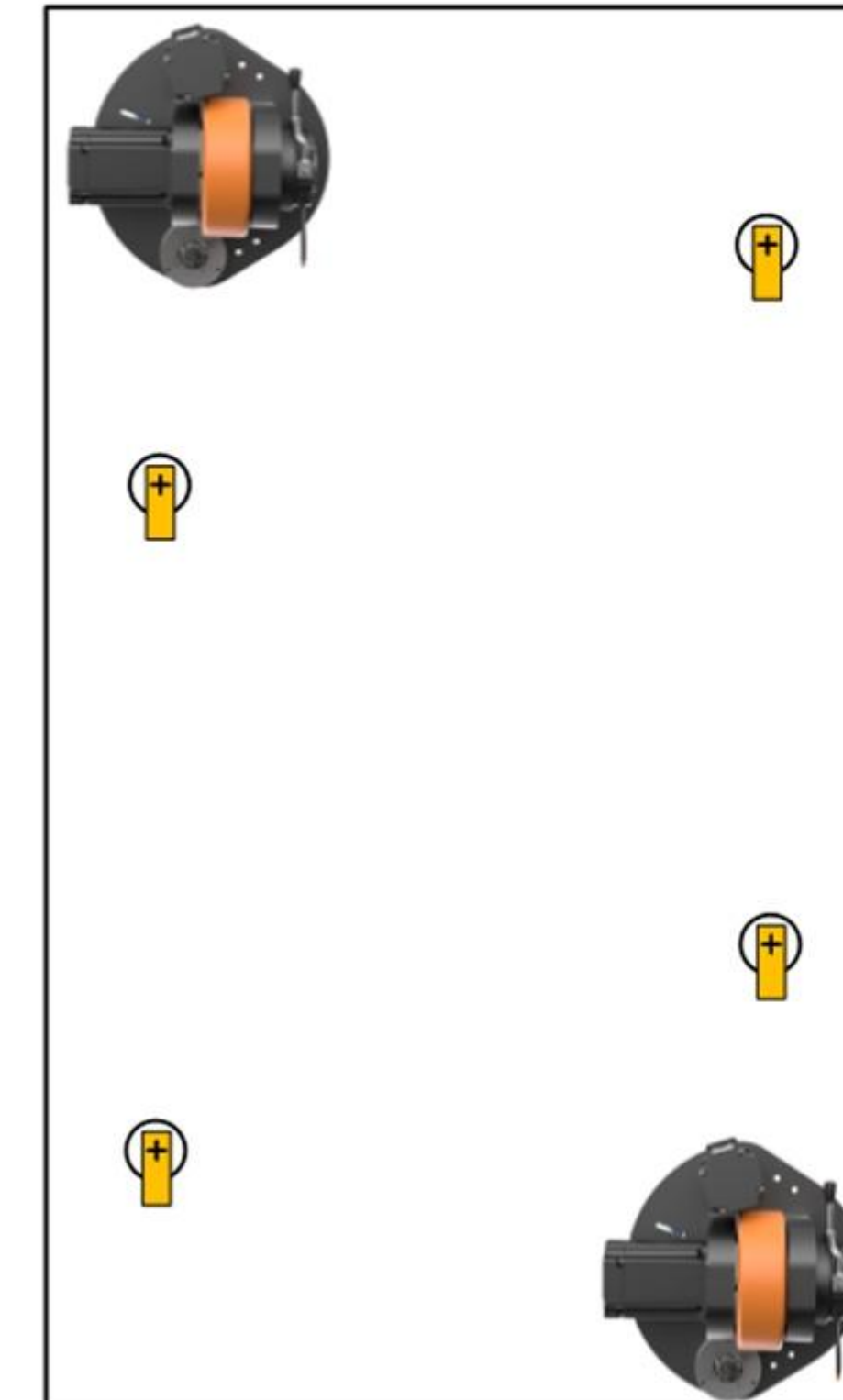
单舵轮

Single drive wheel



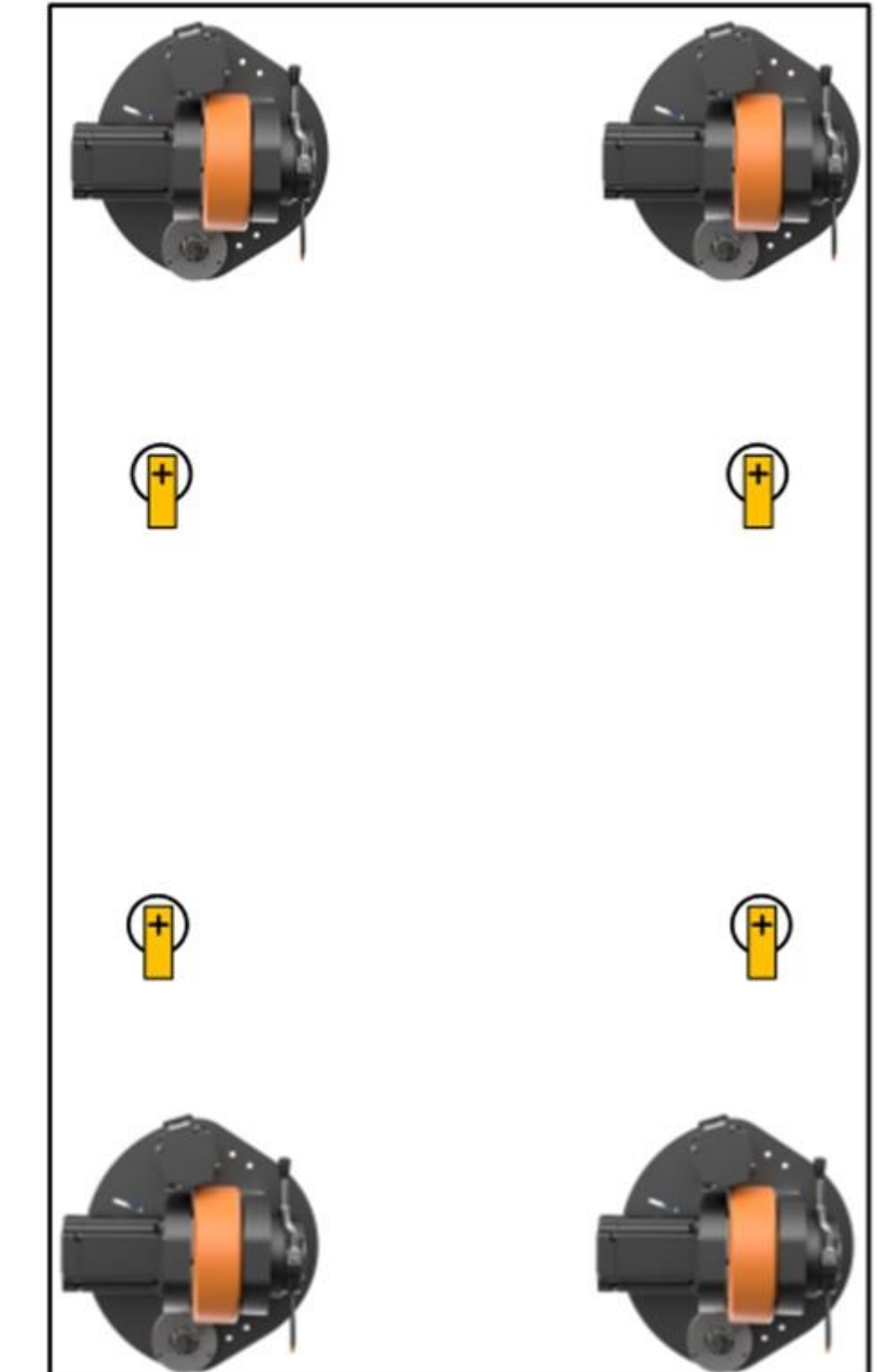
中轴双舵轮

Middle axle drive wheel



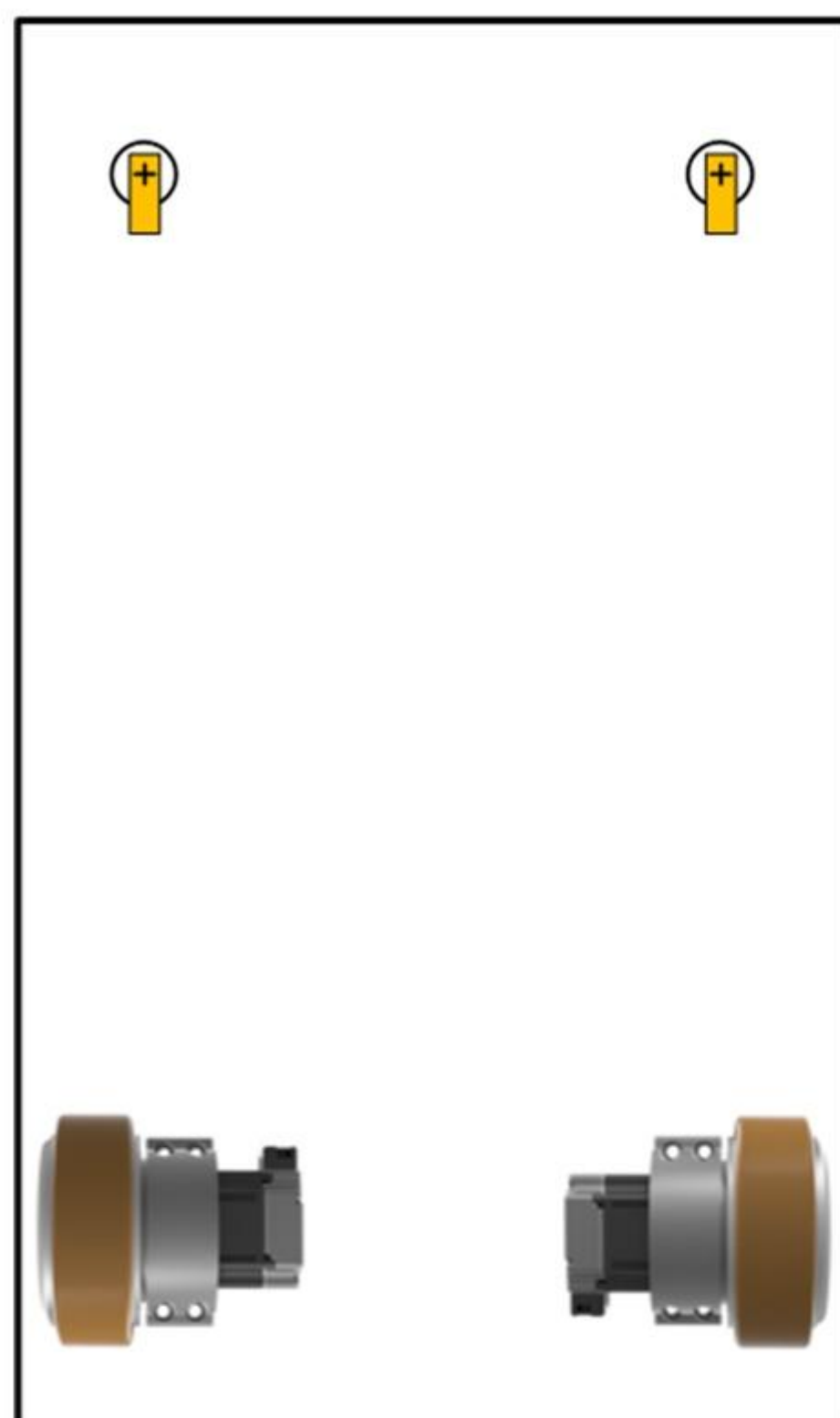
对角双舵轮

Diagonal drive wheel



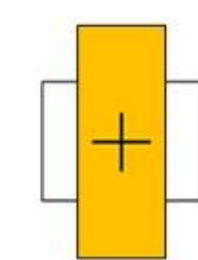
四舵轮

Four drive wheel



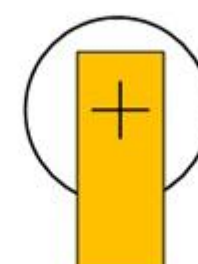
单侧差速轮

Diagonal drive wheel



定向脚轮

Directional costor



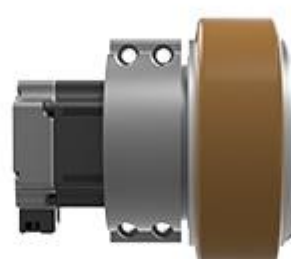
万向脚轮

Omni-directional castor



舵轮

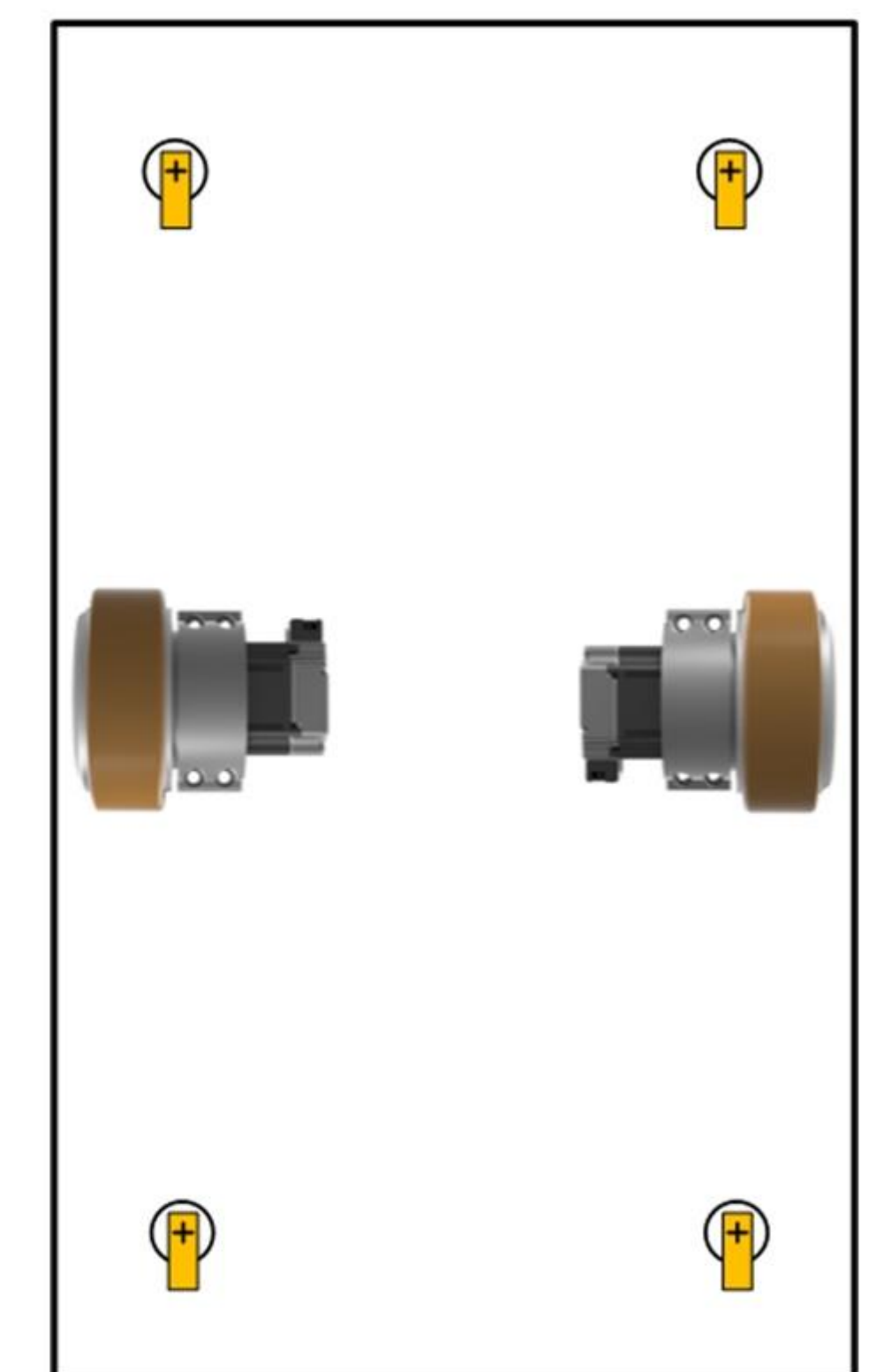
Drive wheel



差速轮

Differential drive wheel

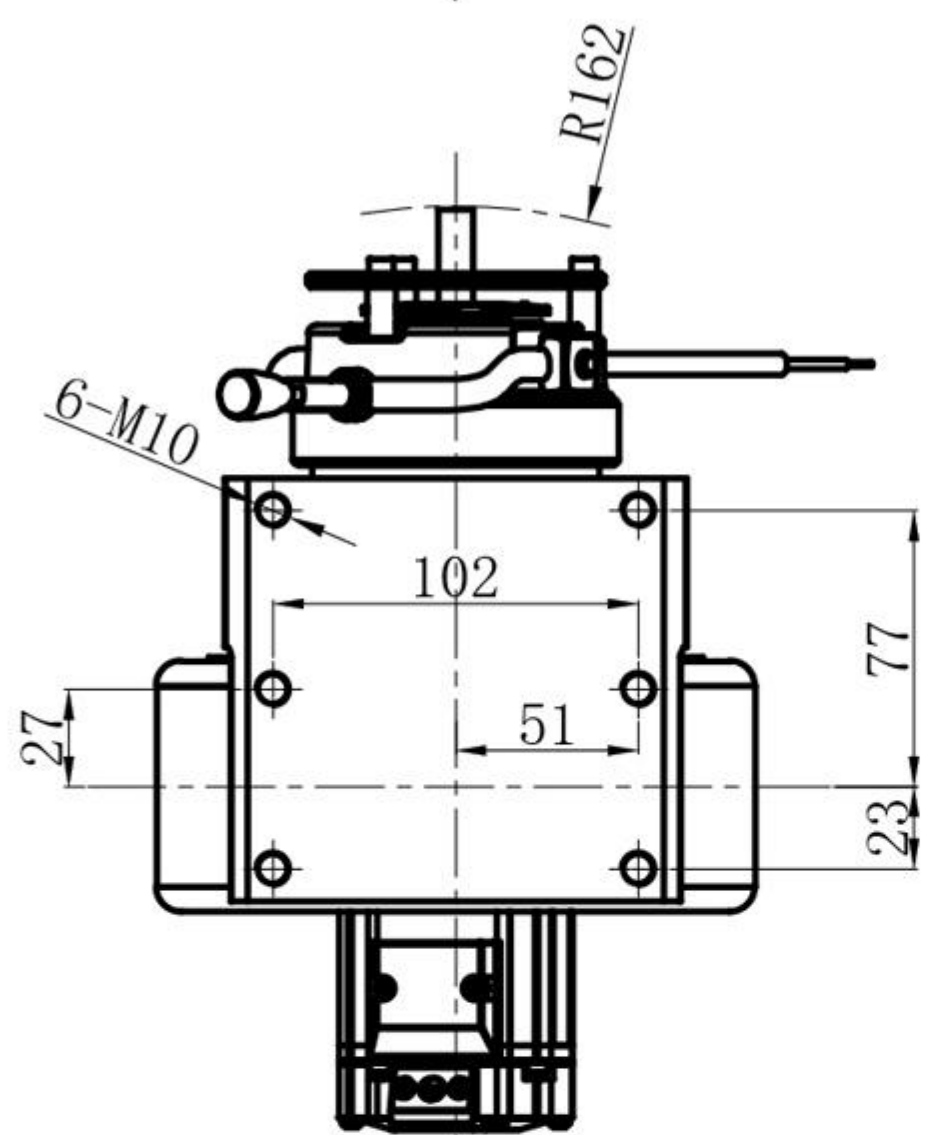
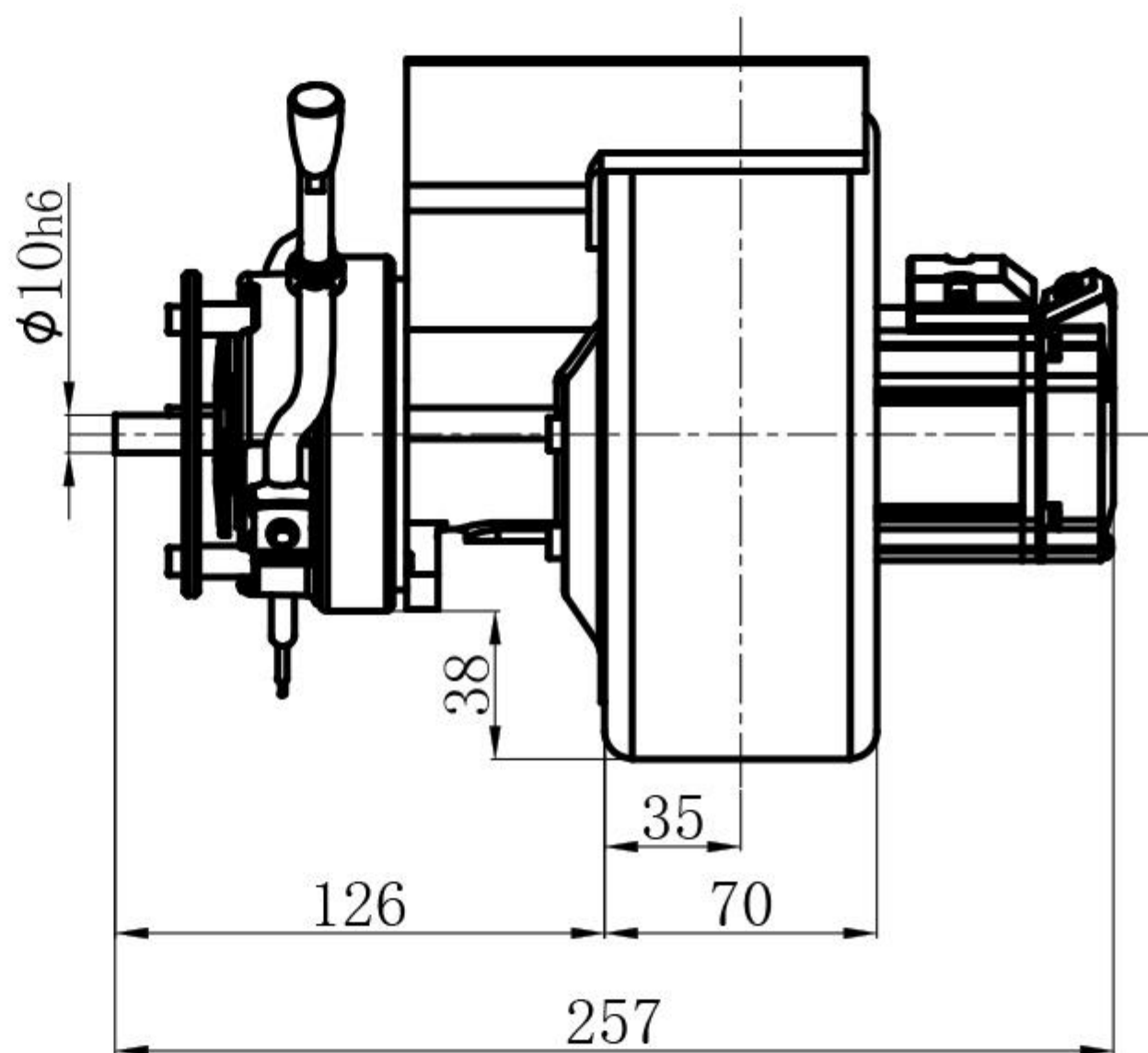
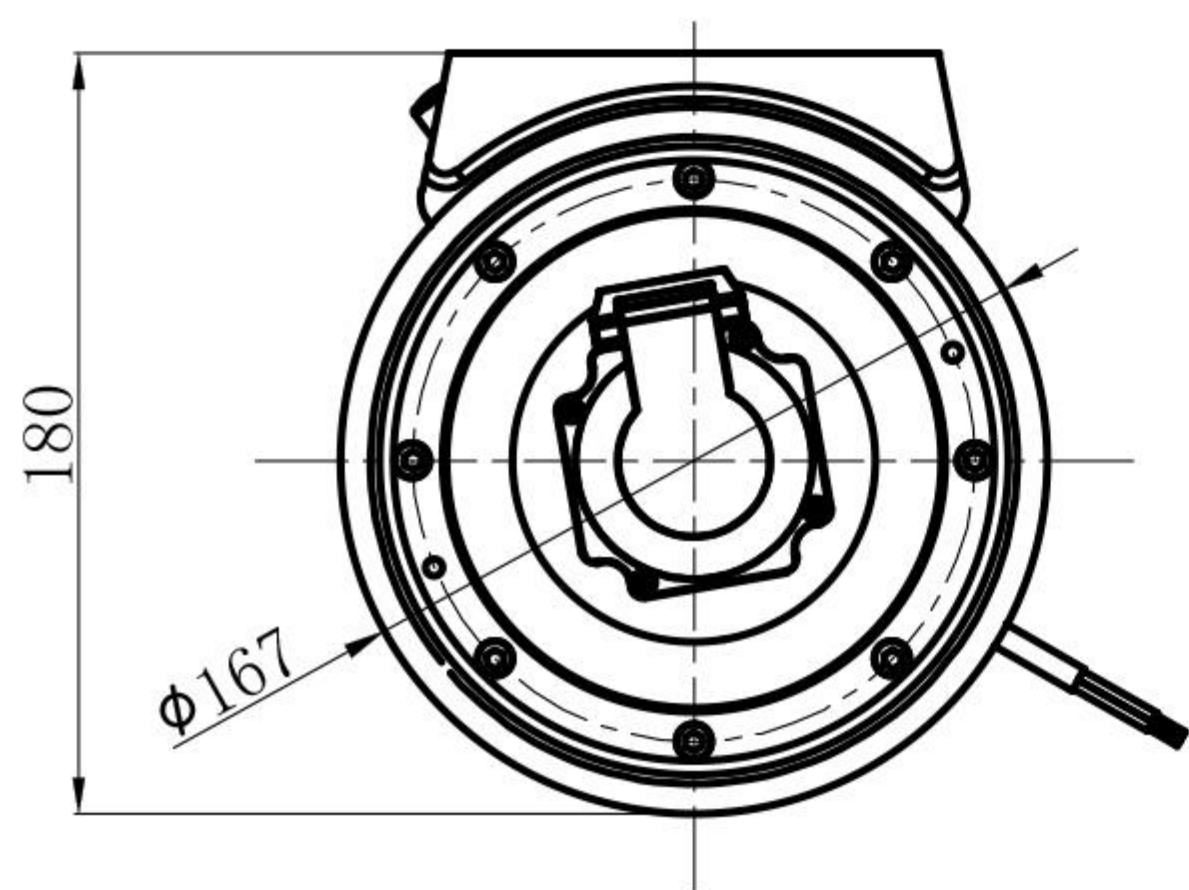
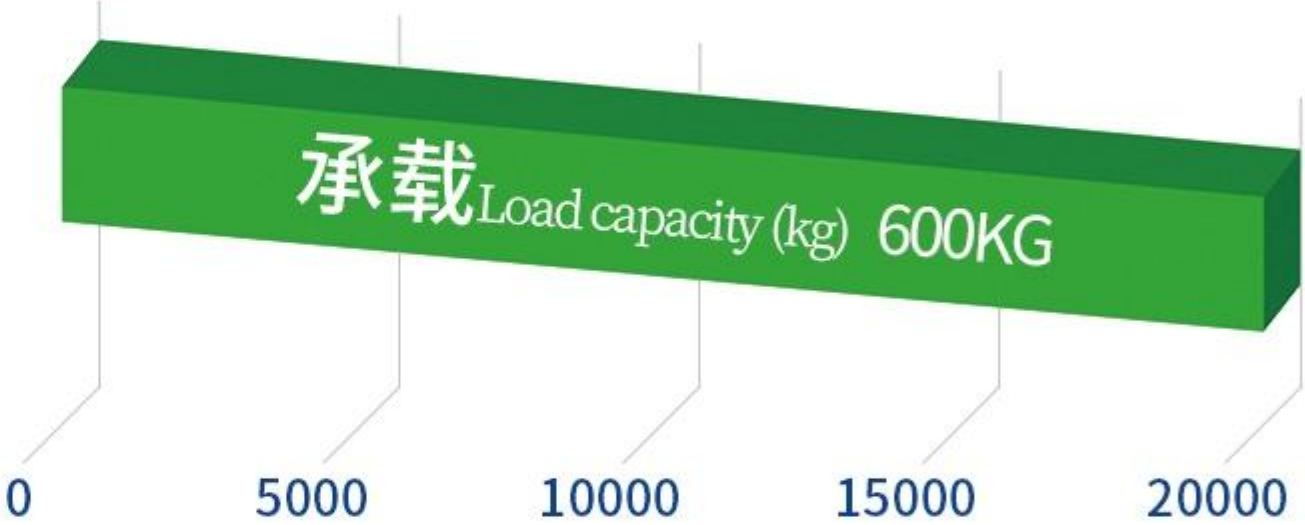
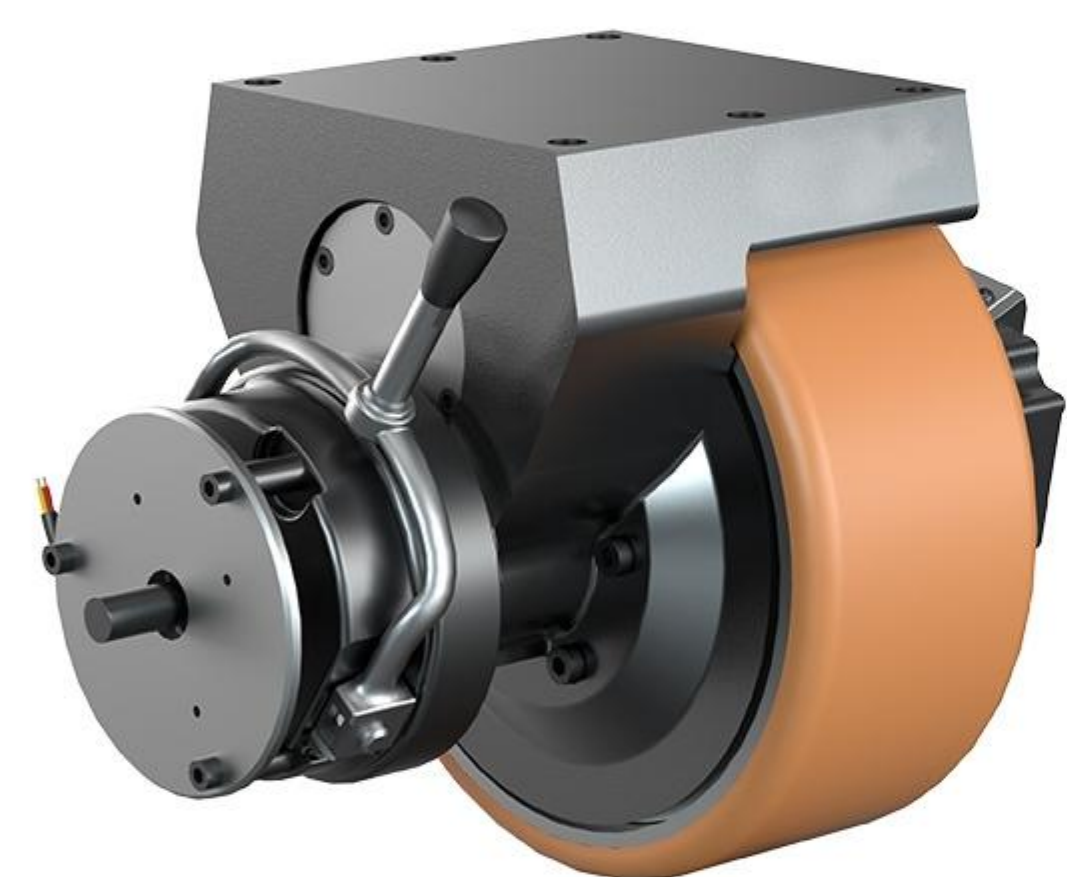
- 单舵轮结构能前进后退与转向
The structure of single drive wheel can move forward, backward and steer.
- 双舵轮及以上结构可以前进后退转向左右横移原地掉头
The structure of double drive wheels and above can move forward, backward, turn left and right, and make a U-turn in place.
- 差速轮结构能前进后退和原地掉头
The structure of differential drive wheel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



中轴差速轮

Midedle axle differential drive wheel

PLT-167P 行走轮 (Traction system)



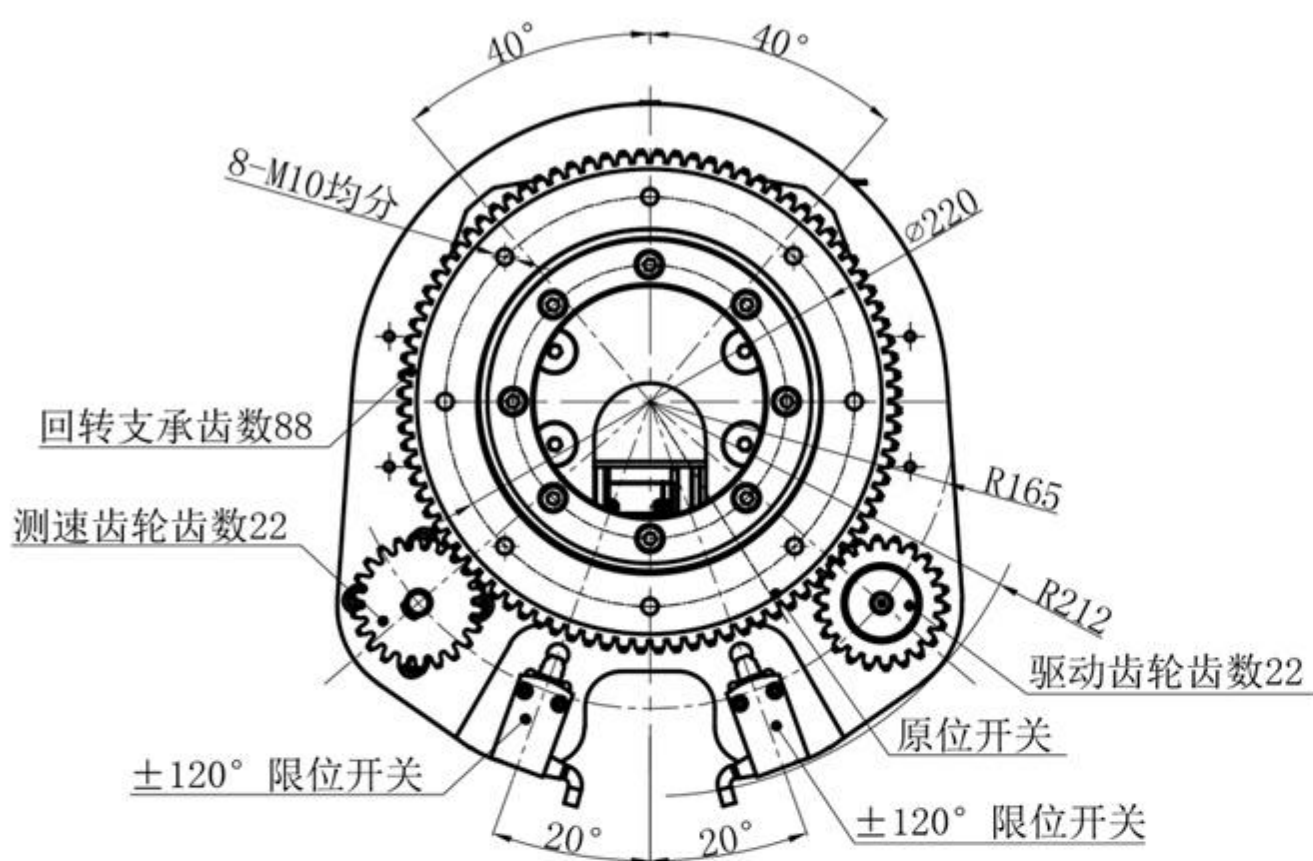
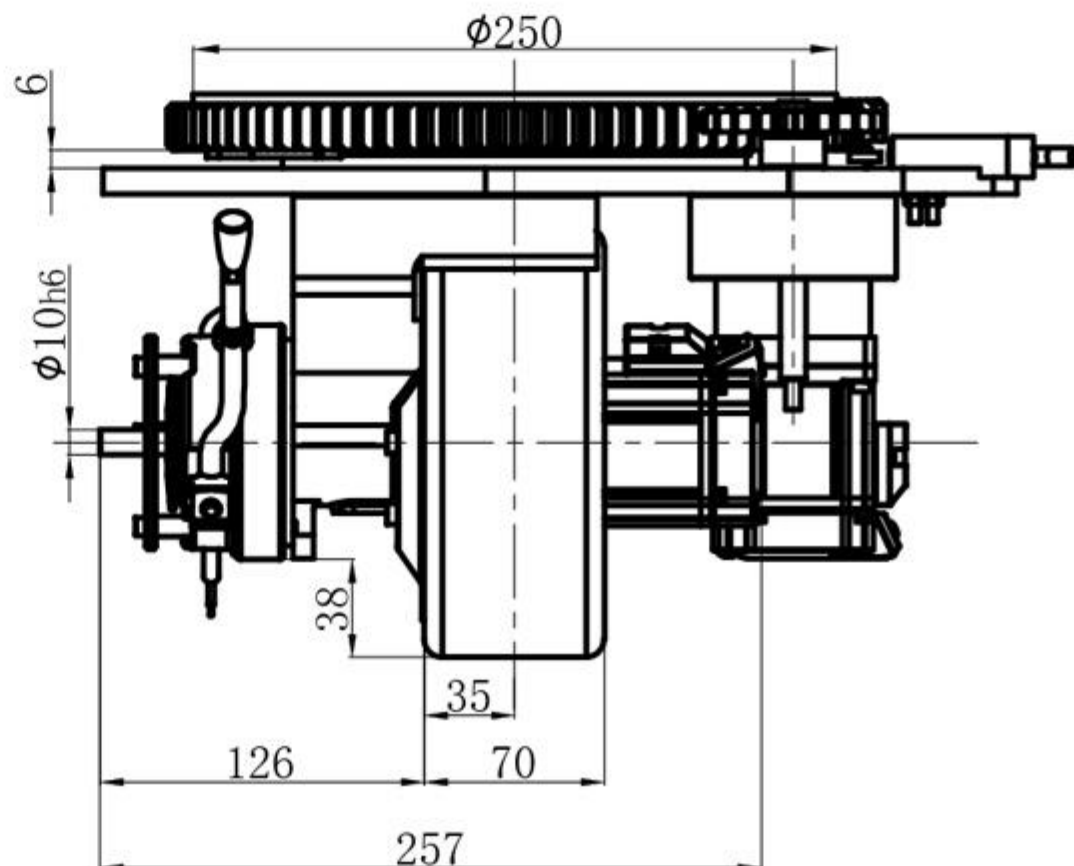
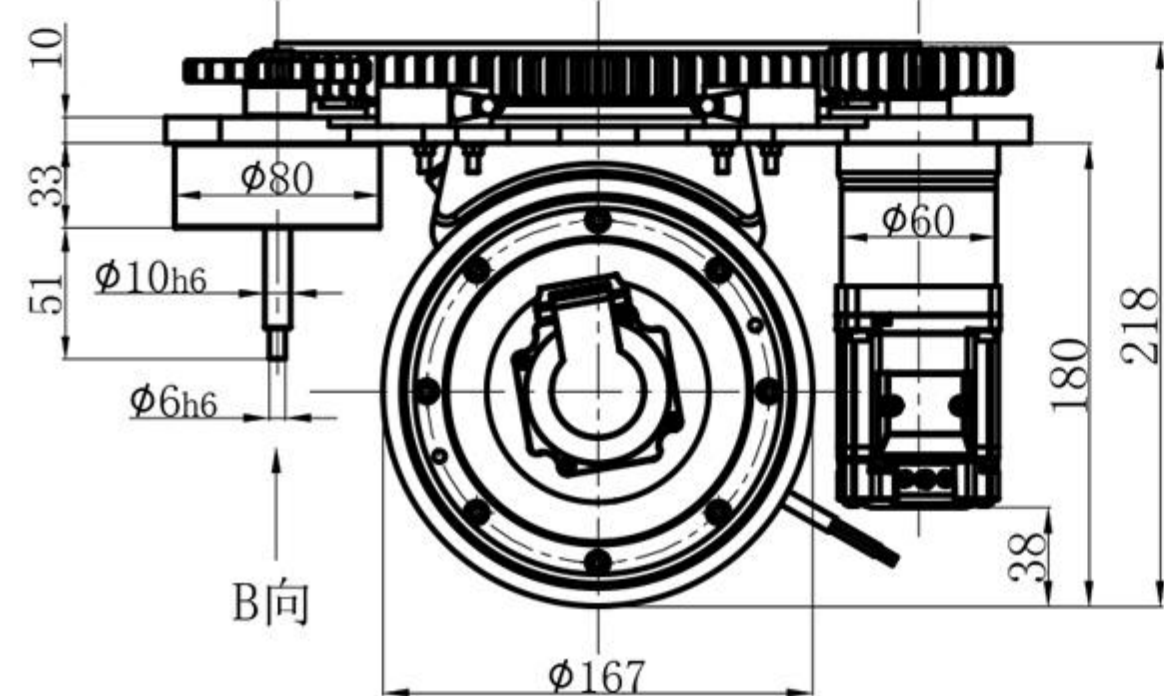
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	400/750
电压 Voltage(V)	24/48
电流 Current(A)	16.7/8.9/34/18.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	30
承载 Load capacity(kg)	600
IP等级 IP grade	65

PLT-167P 舵轮 (Drive wheel)



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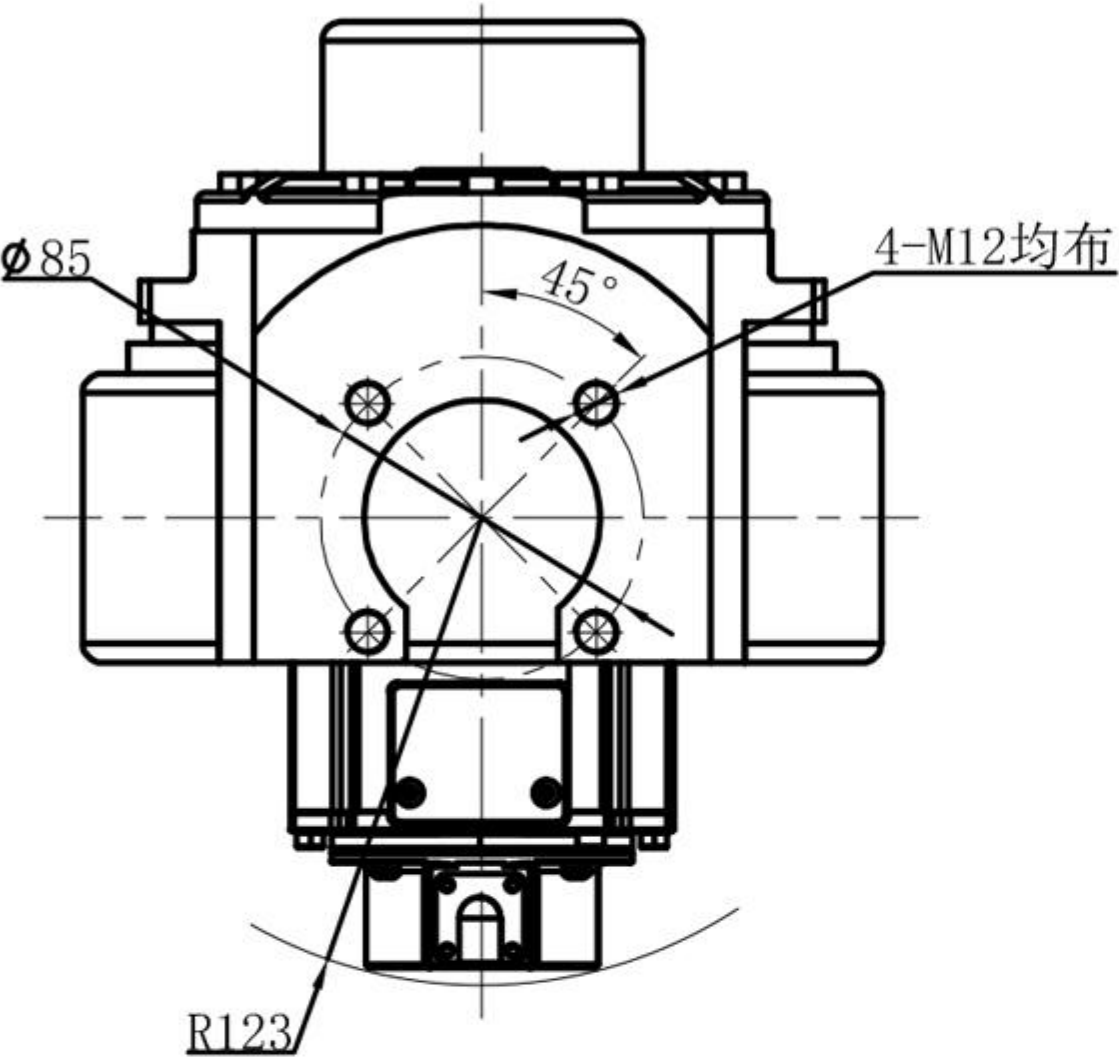
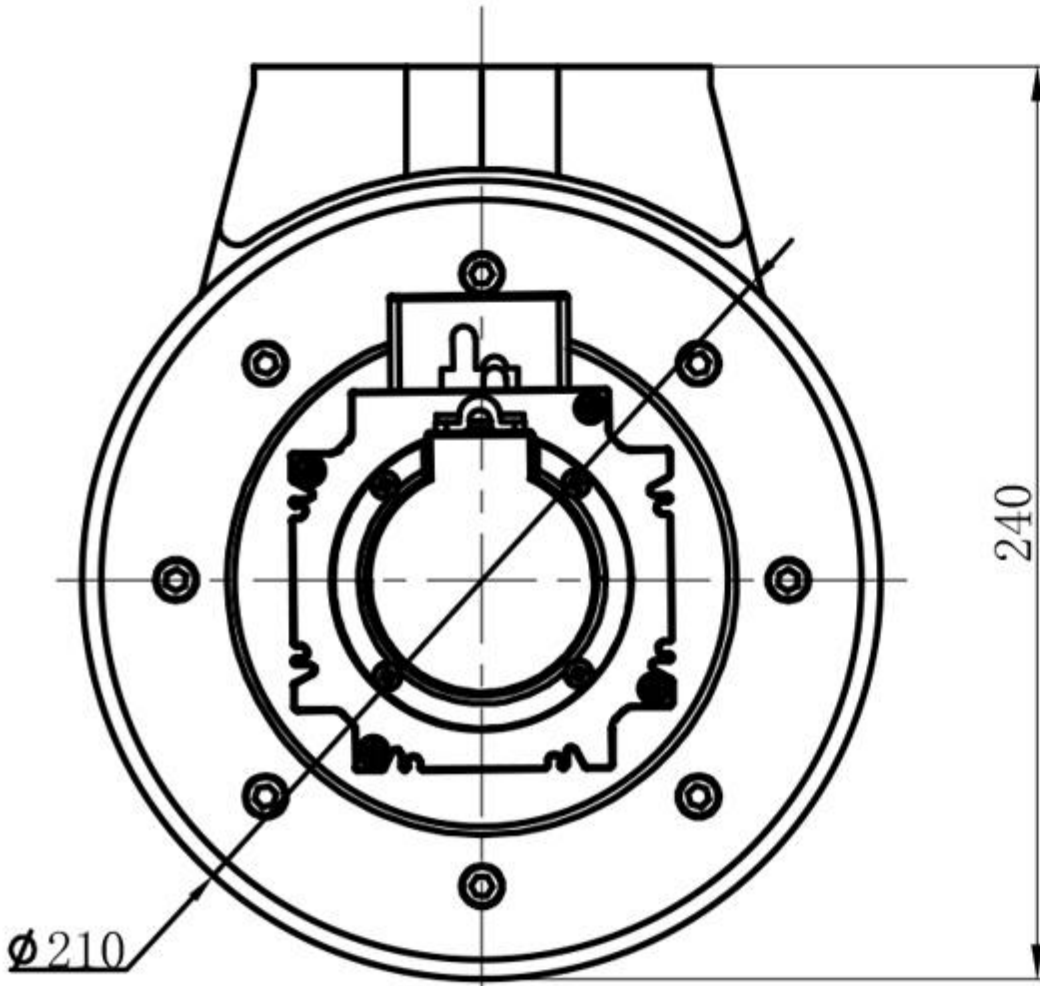
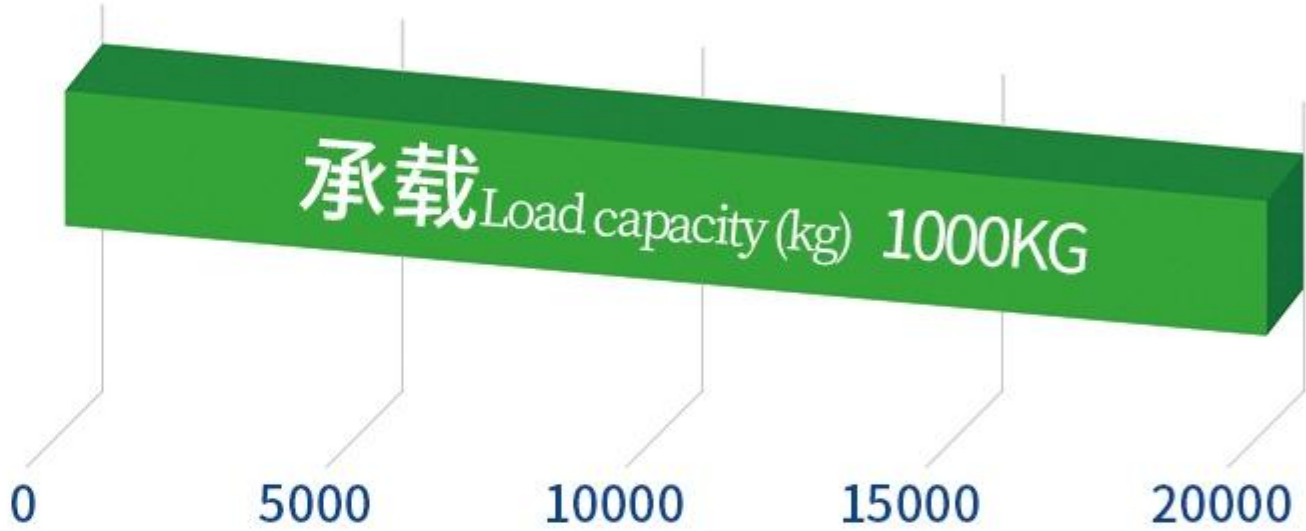


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	24/48
电流 Current(A)	9.2/4.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

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

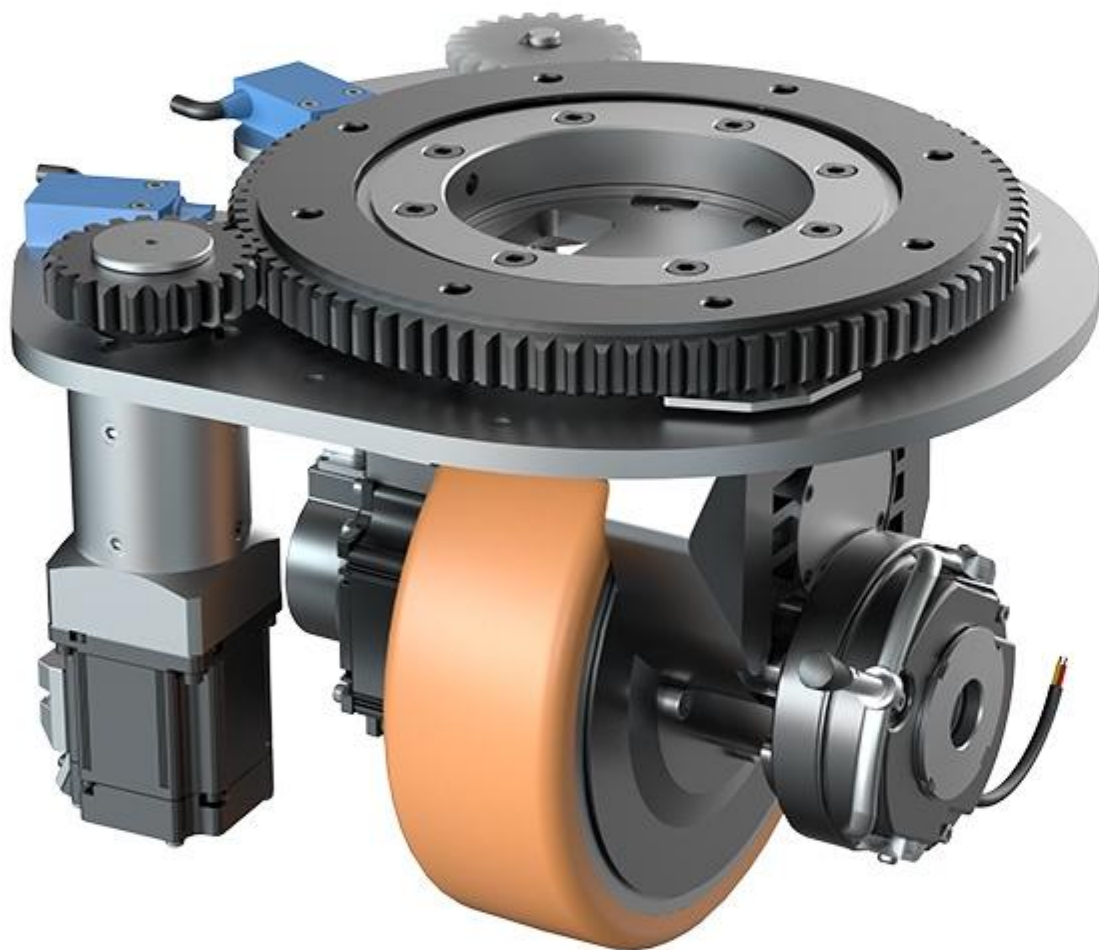
PLT-210P 行走轮 (Traction system)



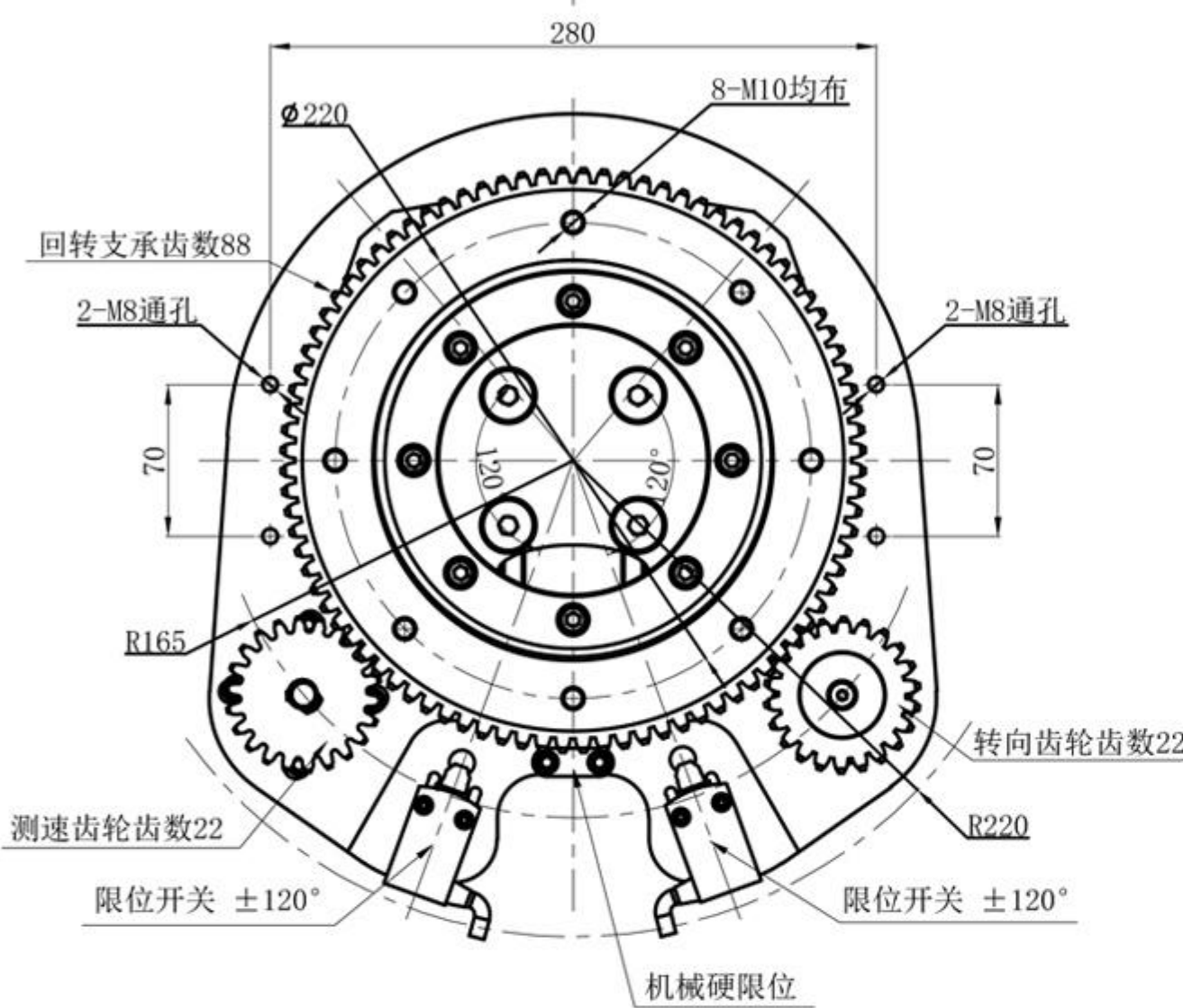
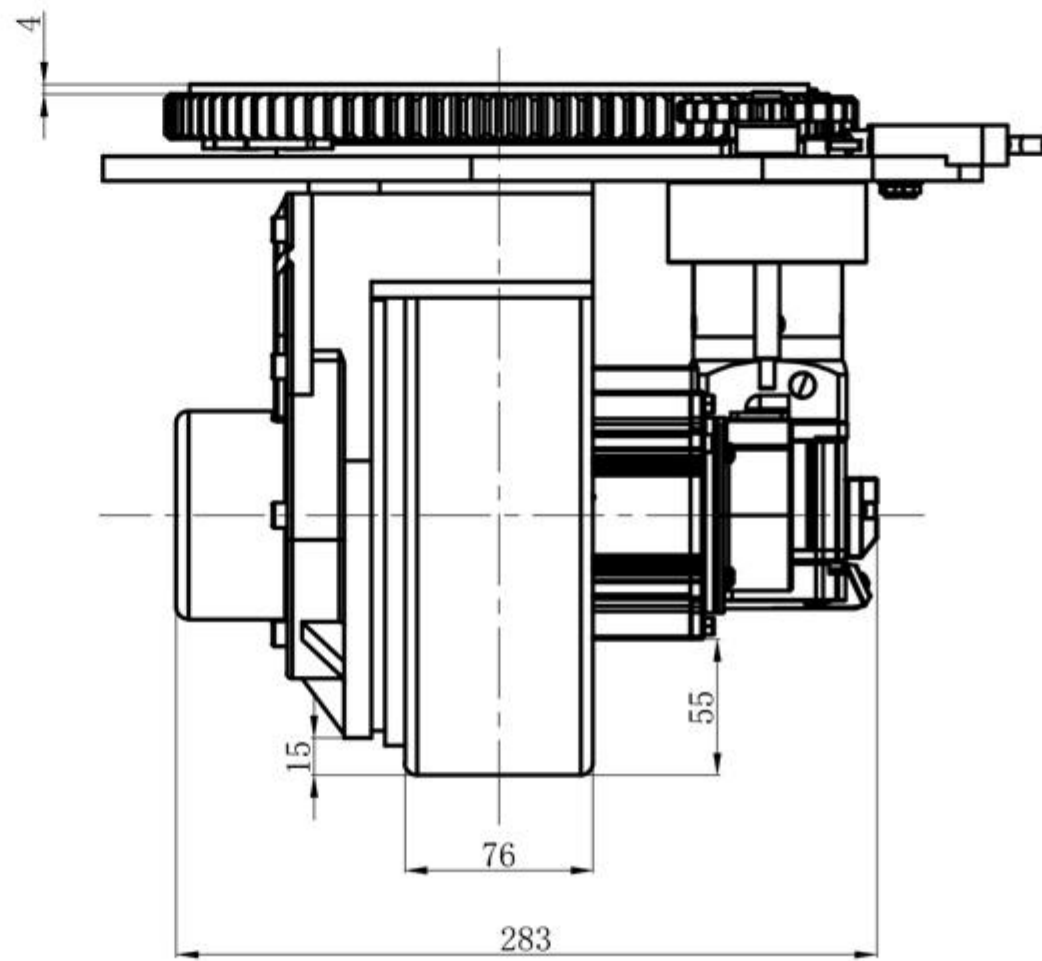
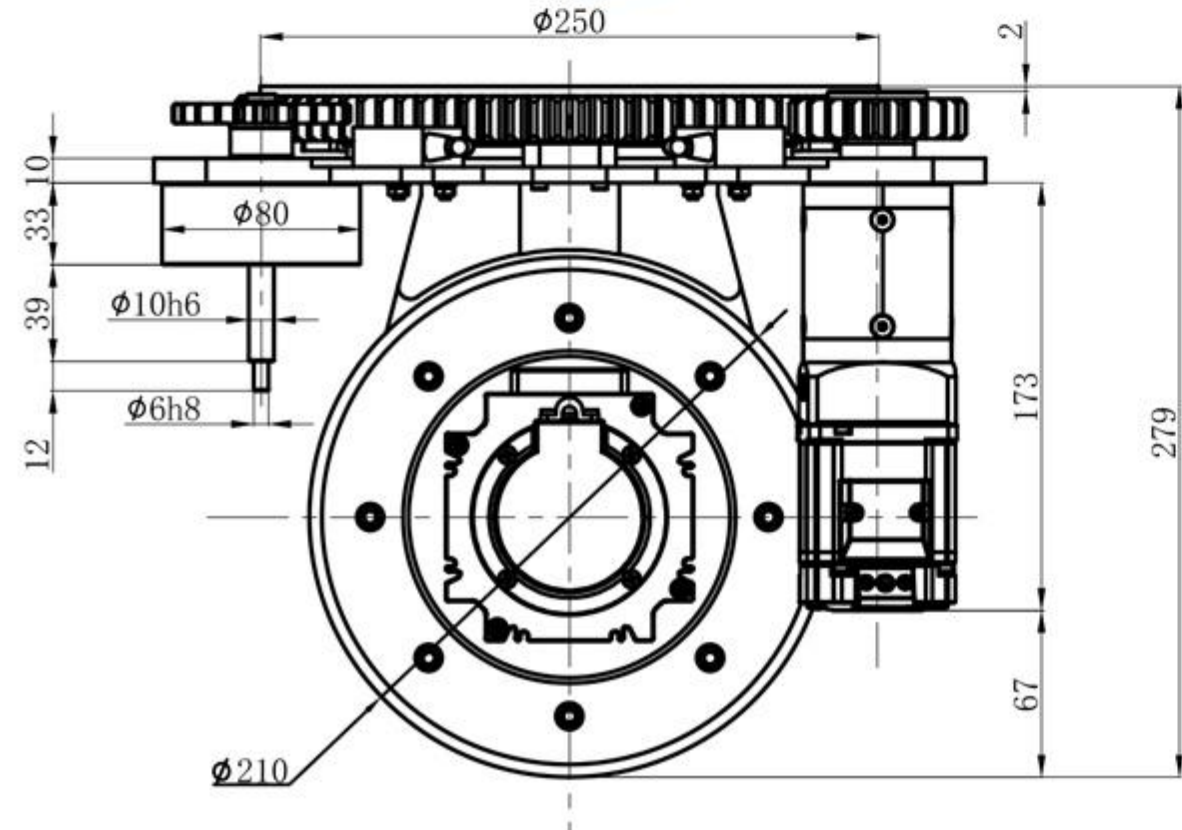
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行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	750/1000
电压 Voltage(V)	24/48
电流 Current(A)	34/22
转速 Speed(rpm)	3000
减速比 Ratio(i)	25
承载 Load capacity(kg)	1000
IP等级 IP grade	65

PLT-210P 舵轮 (Drive wheel)



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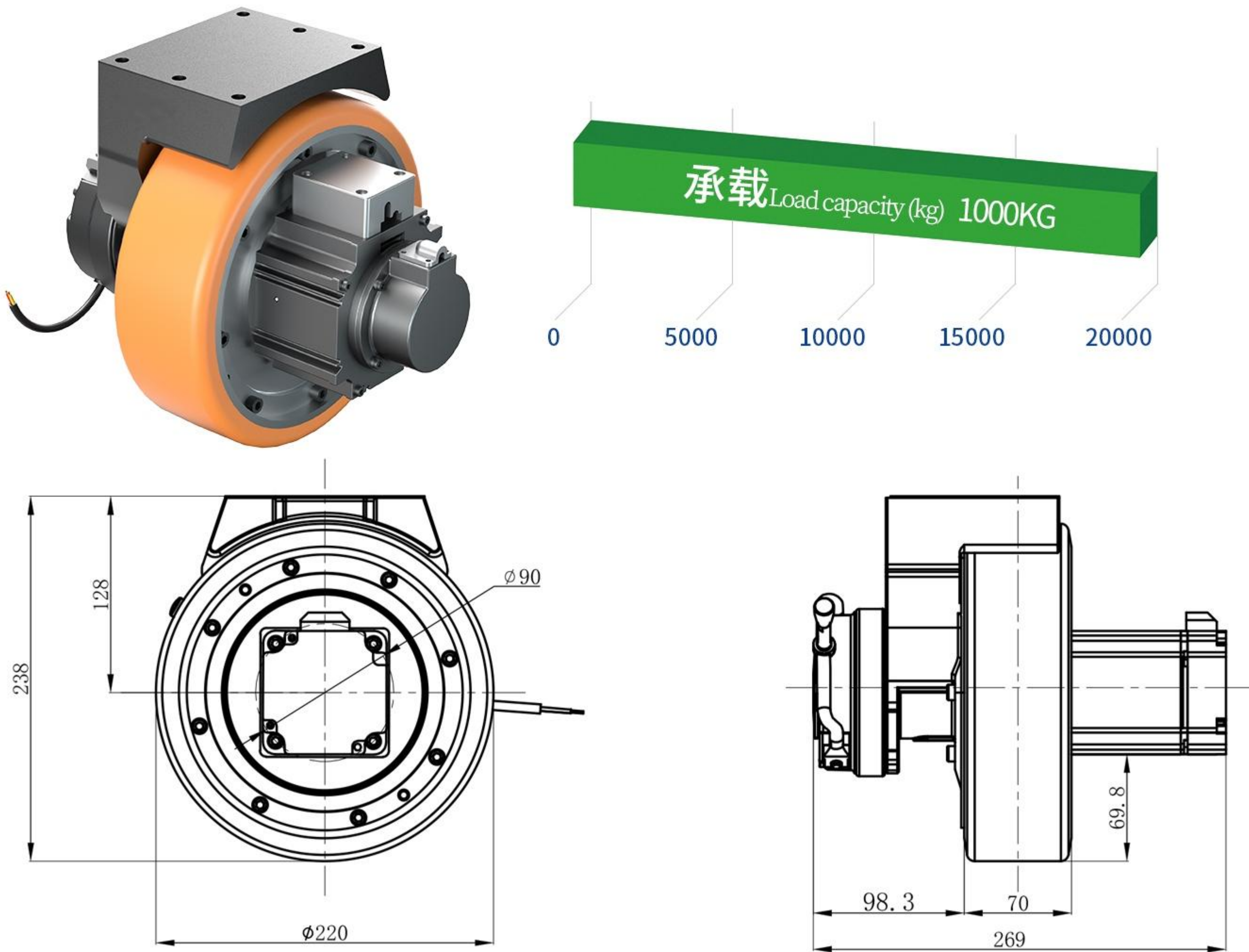


转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	24/48
电流 Current(A)	11.9/4.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	58.22
IP等级 IP grade	65

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)

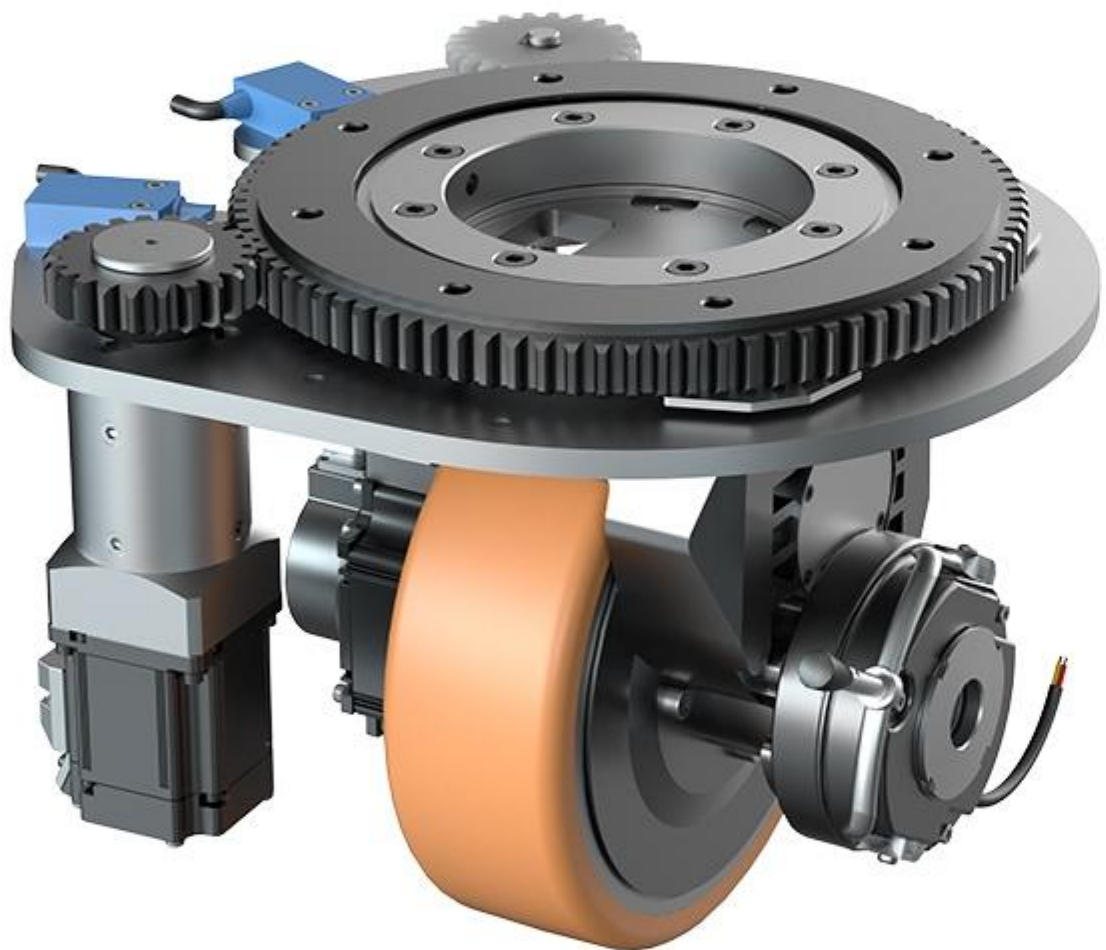


行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	27.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	1000
IP等级 IP grade	65

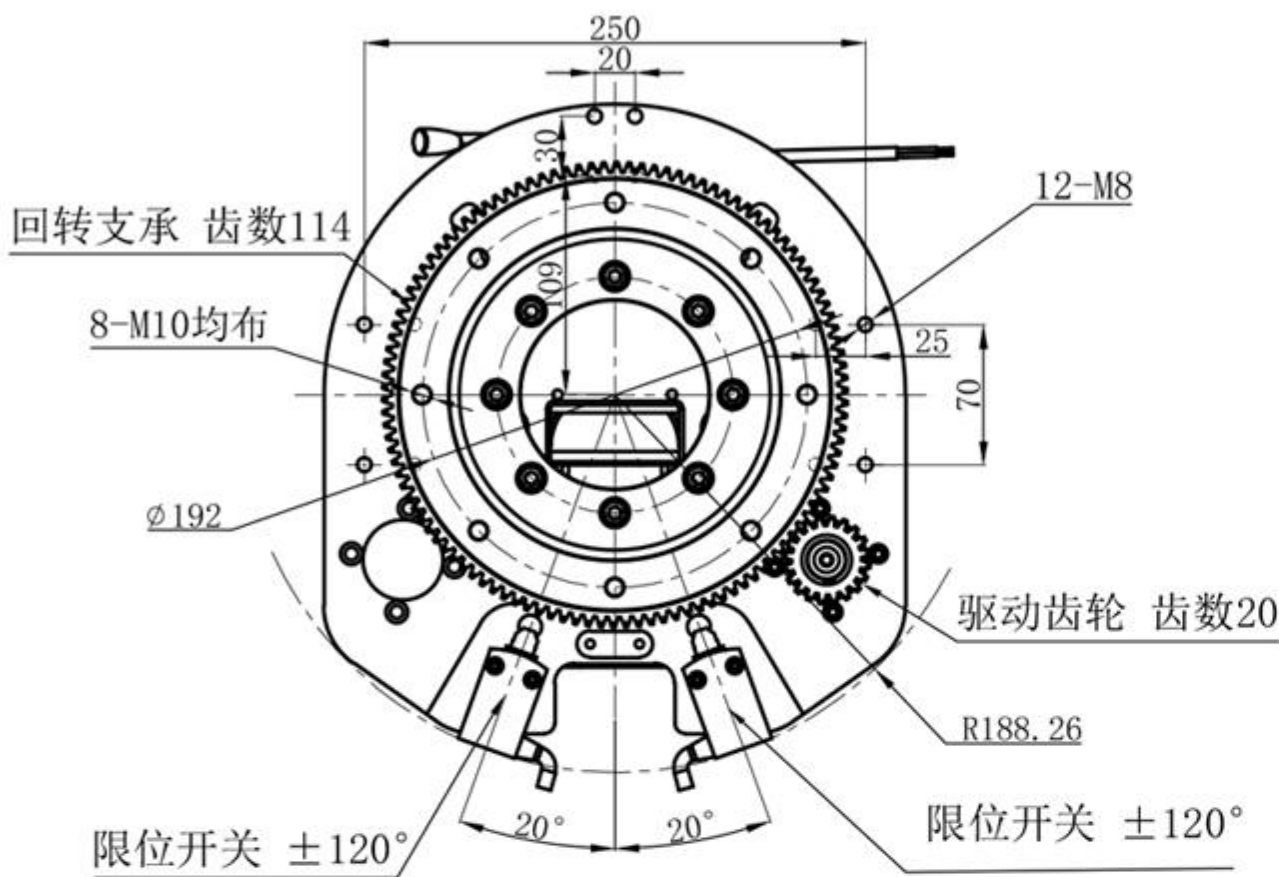
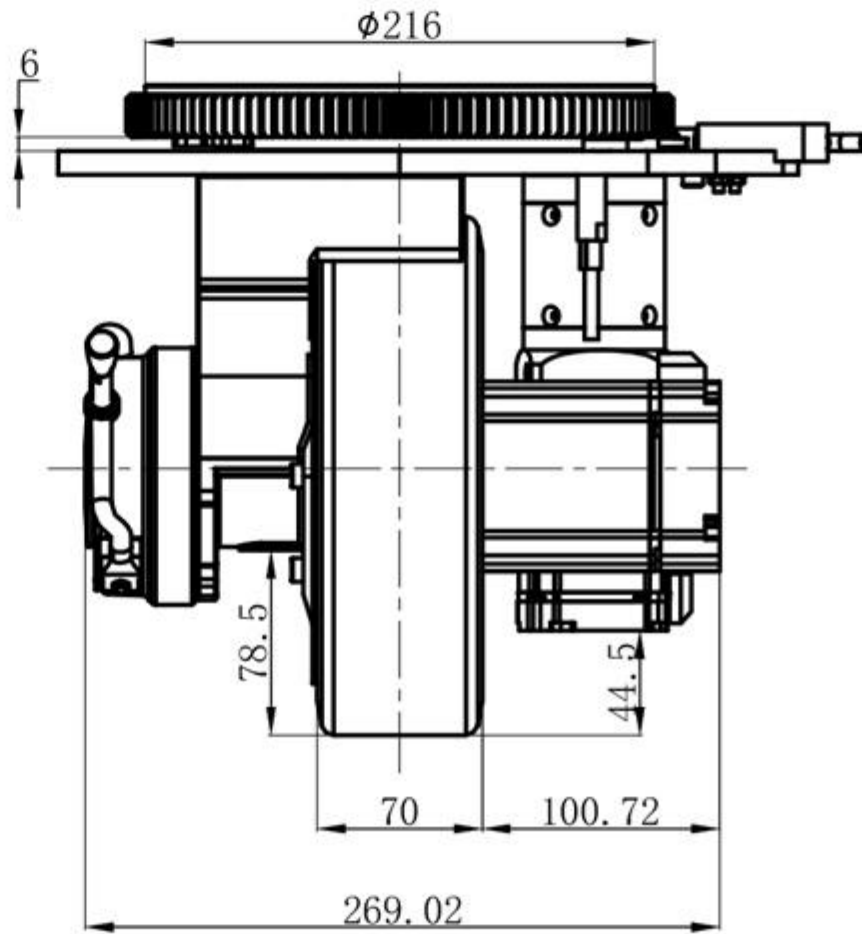
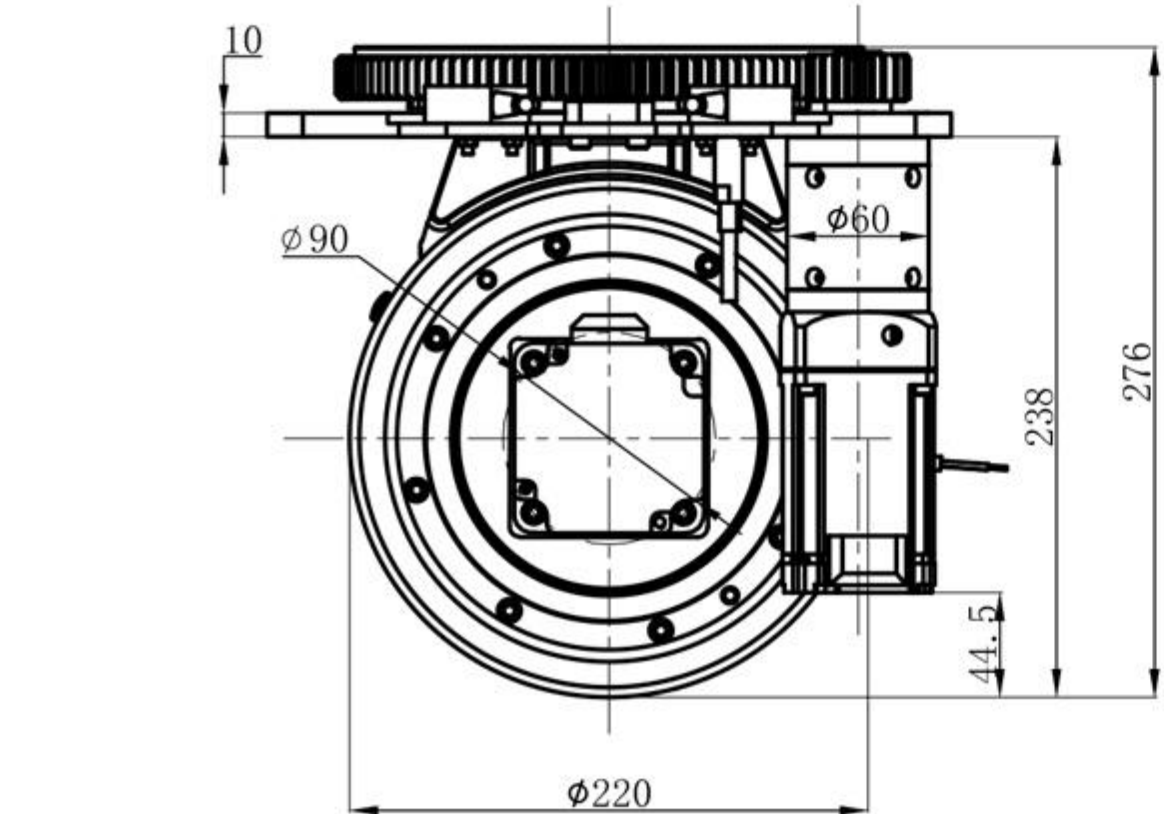


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PLT-220P 舵轮 (Drive wheel)



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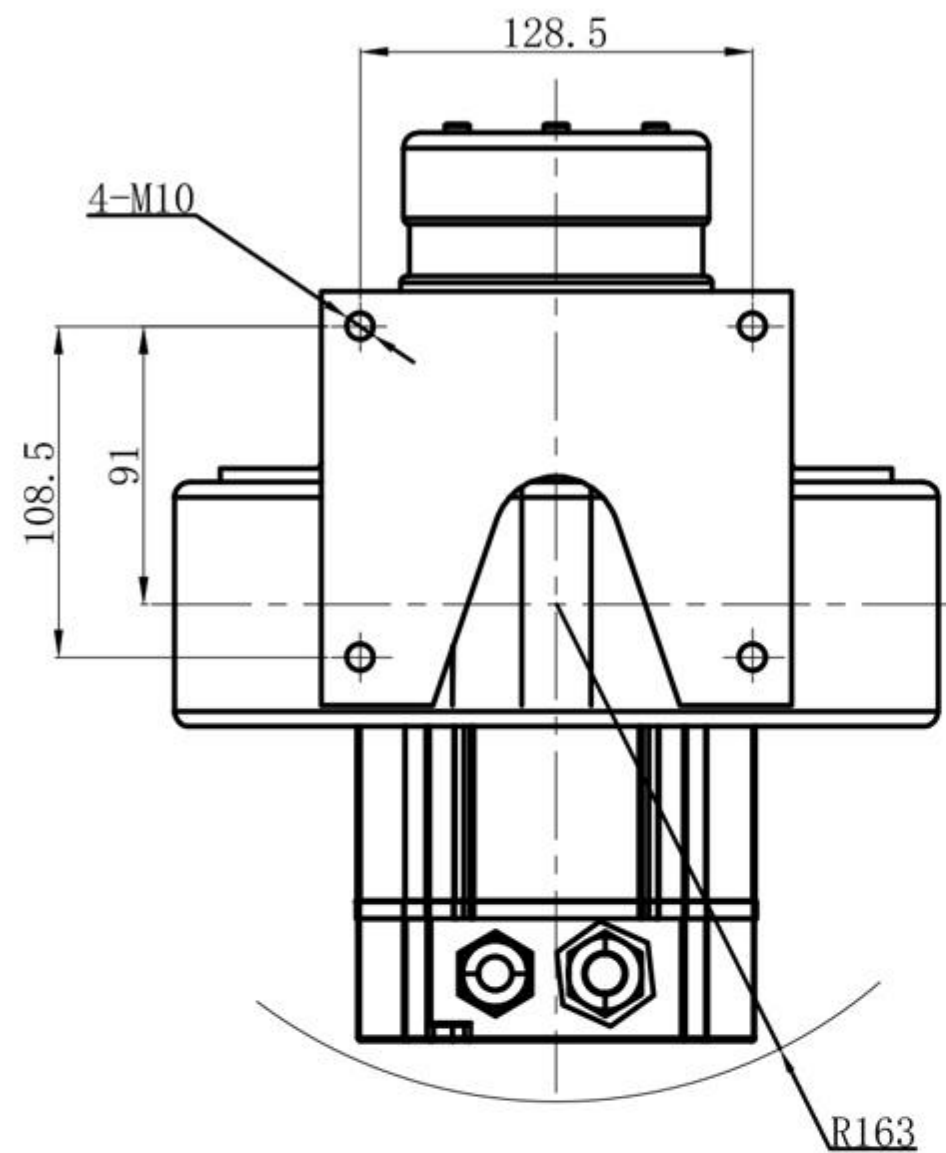
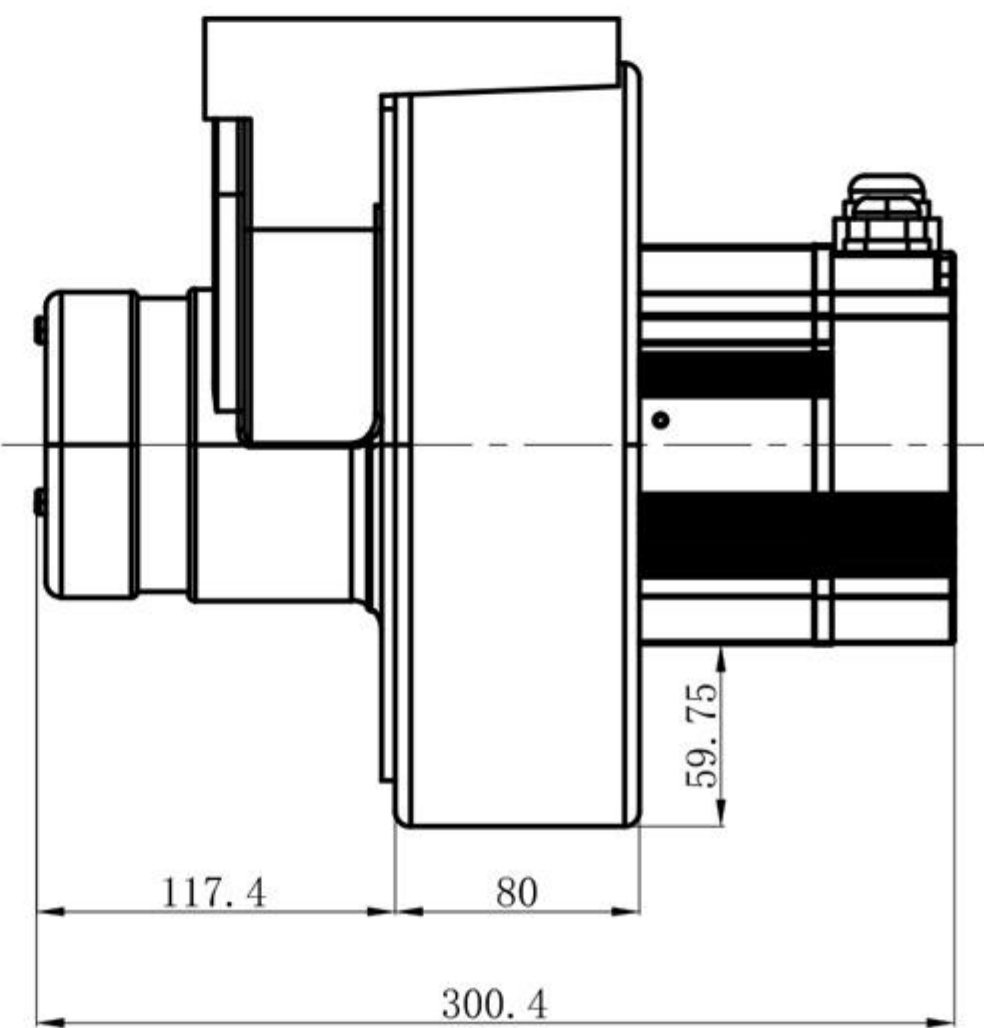
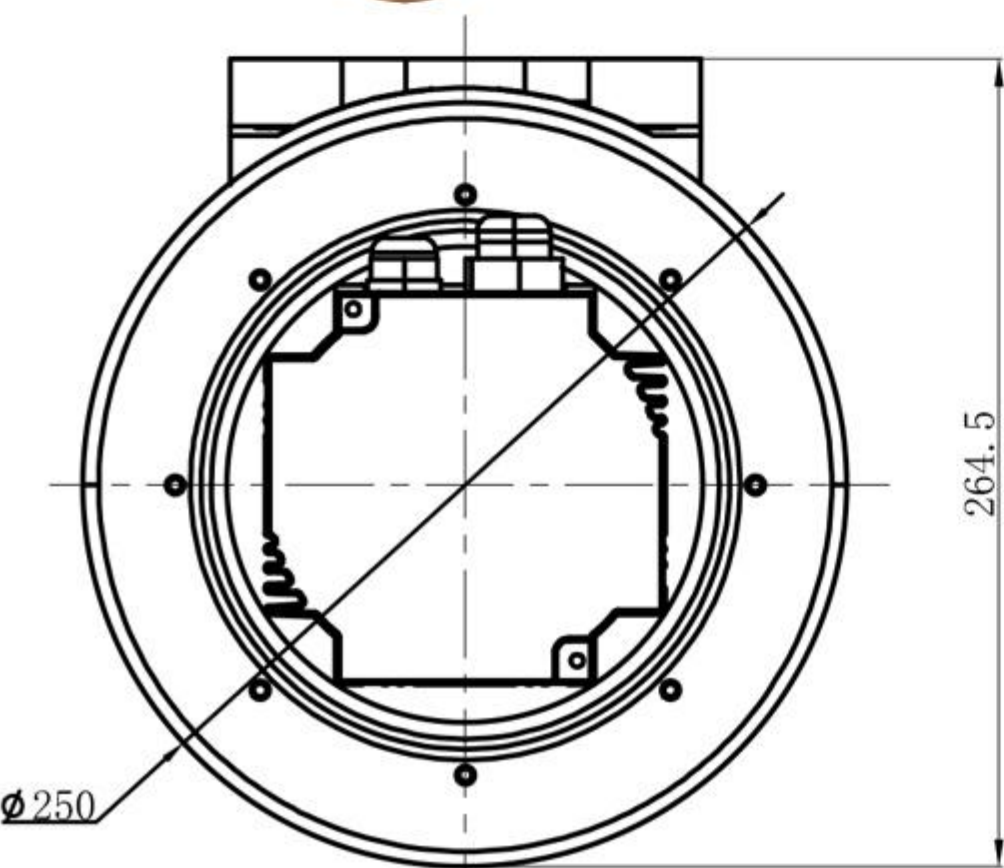
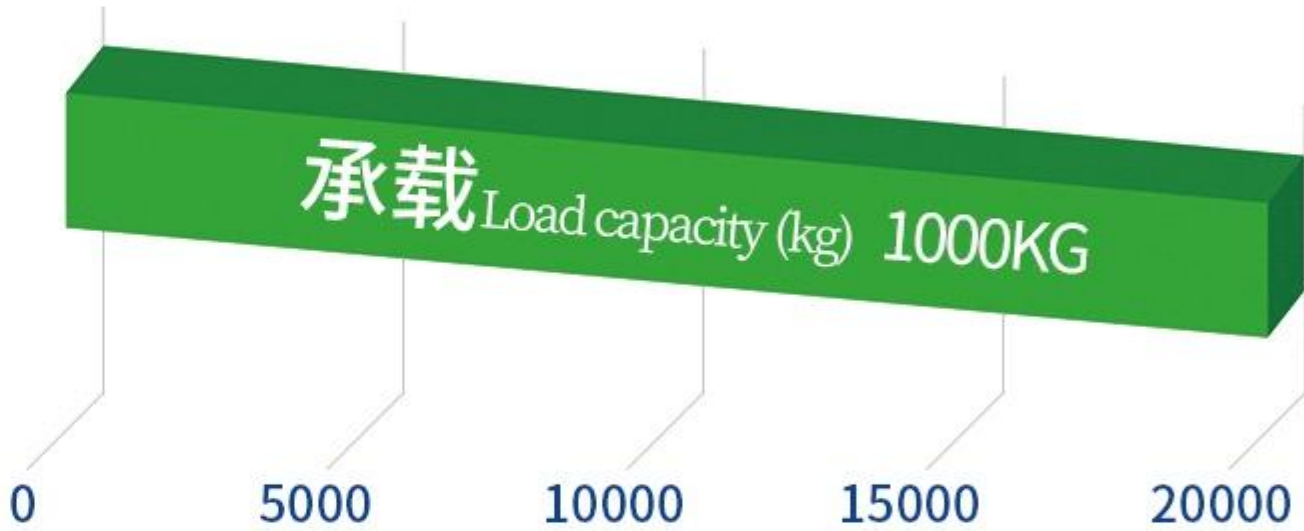
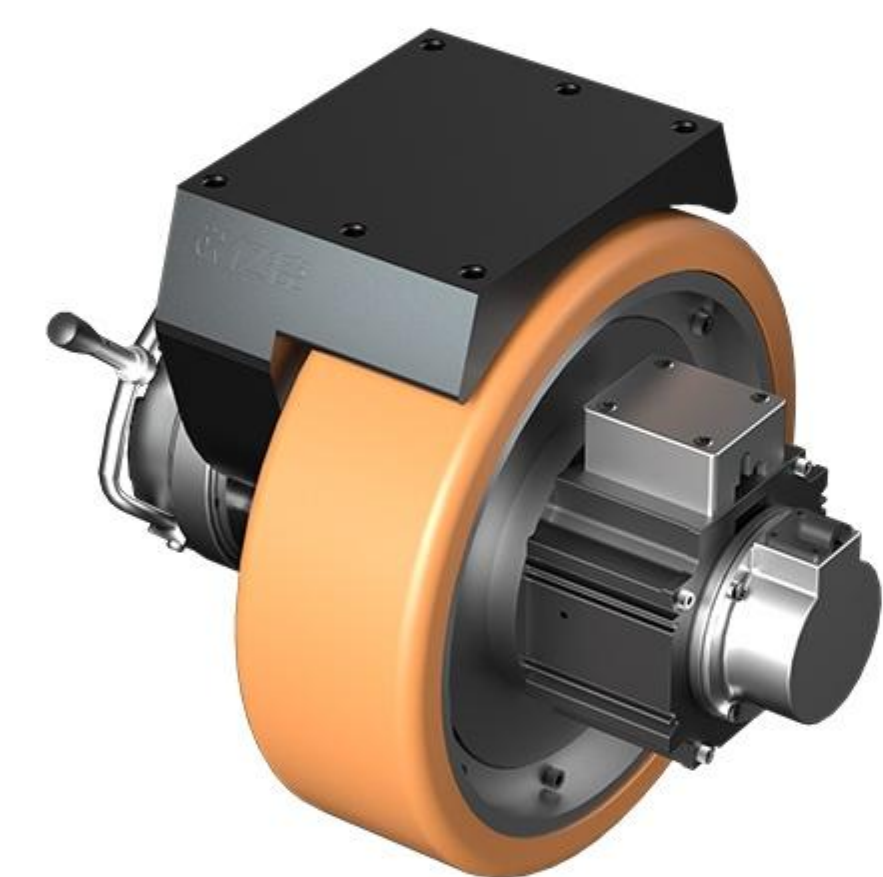


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	24/48
电流 Current(A)	11.9/4.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	58.22
IP等级 IP grade	65

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-250P 行走轮 (Traction system)



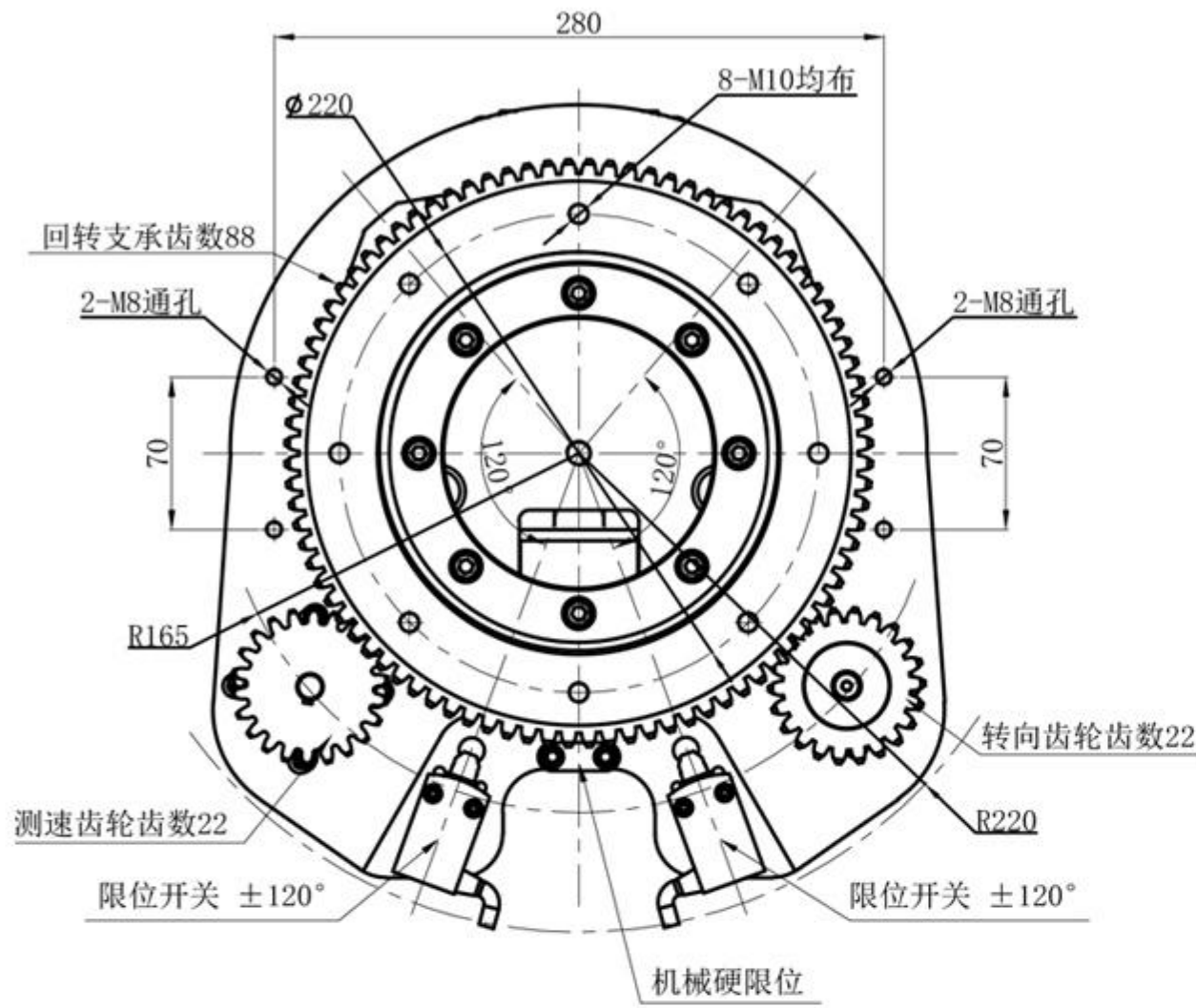
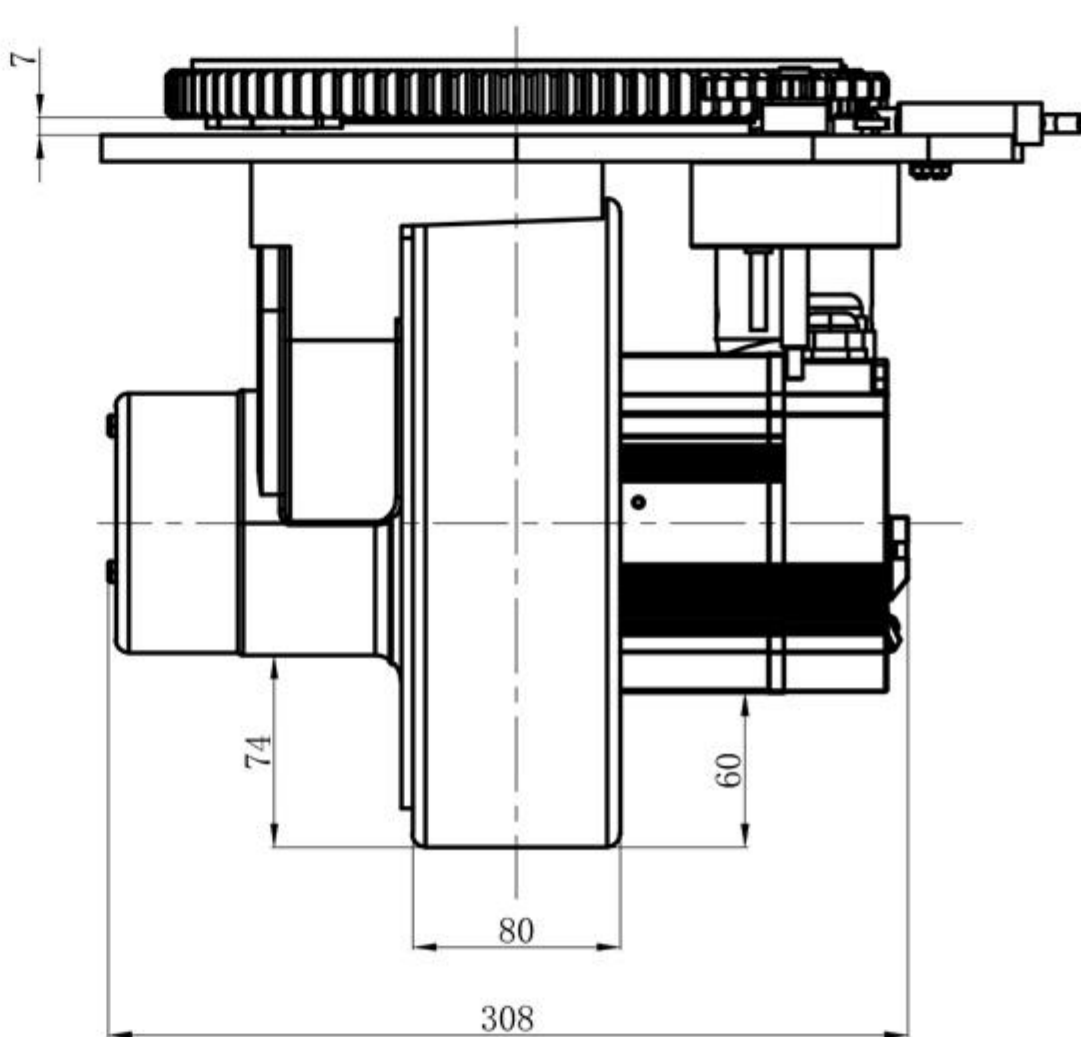
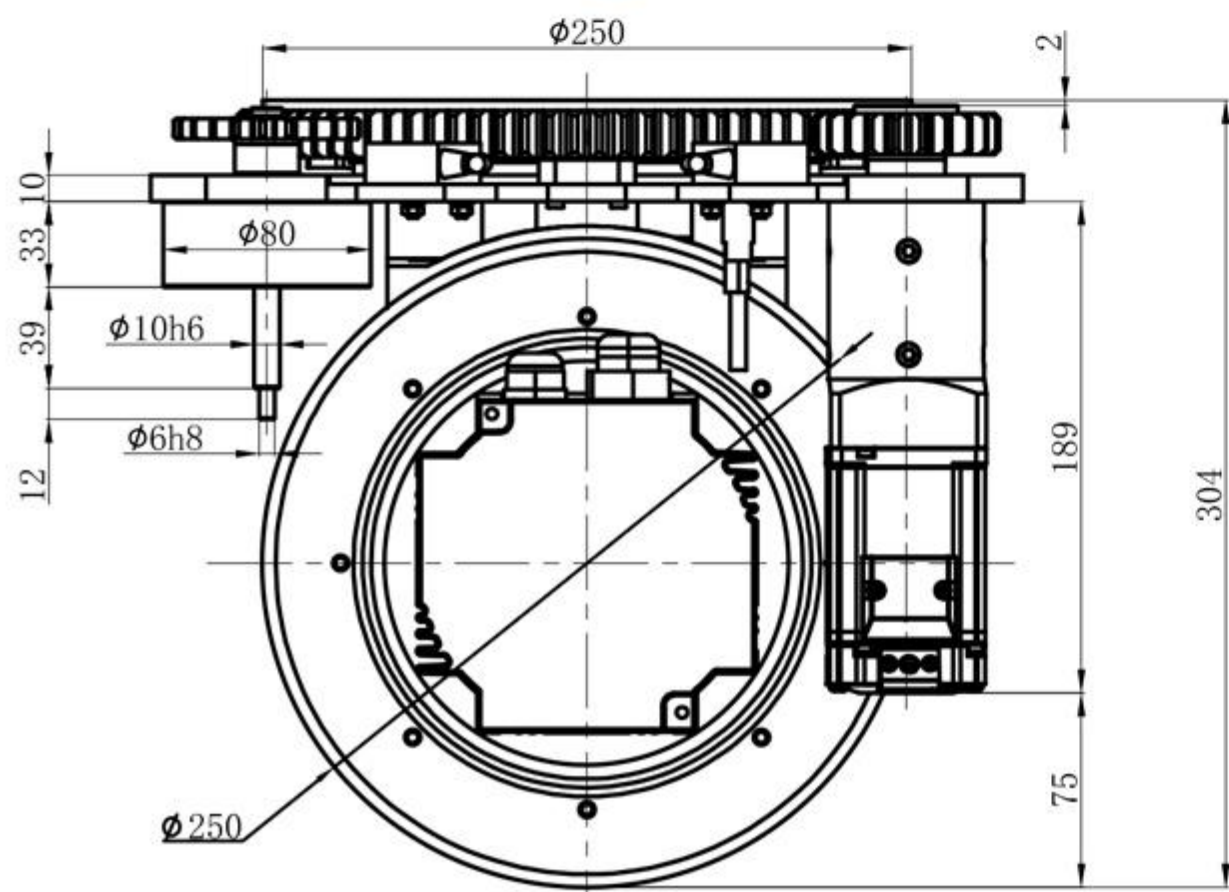
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1500/1000
电压 Voltage(V)	48
电流 Current(A)	44/29
转速 Speed(rpm)	3000
减速比 Ratio(i)	31
承载 Load capacity(kg)	1000
IP等级 IP grade	65

PLT-250P 舵轮 (Drive wheel)



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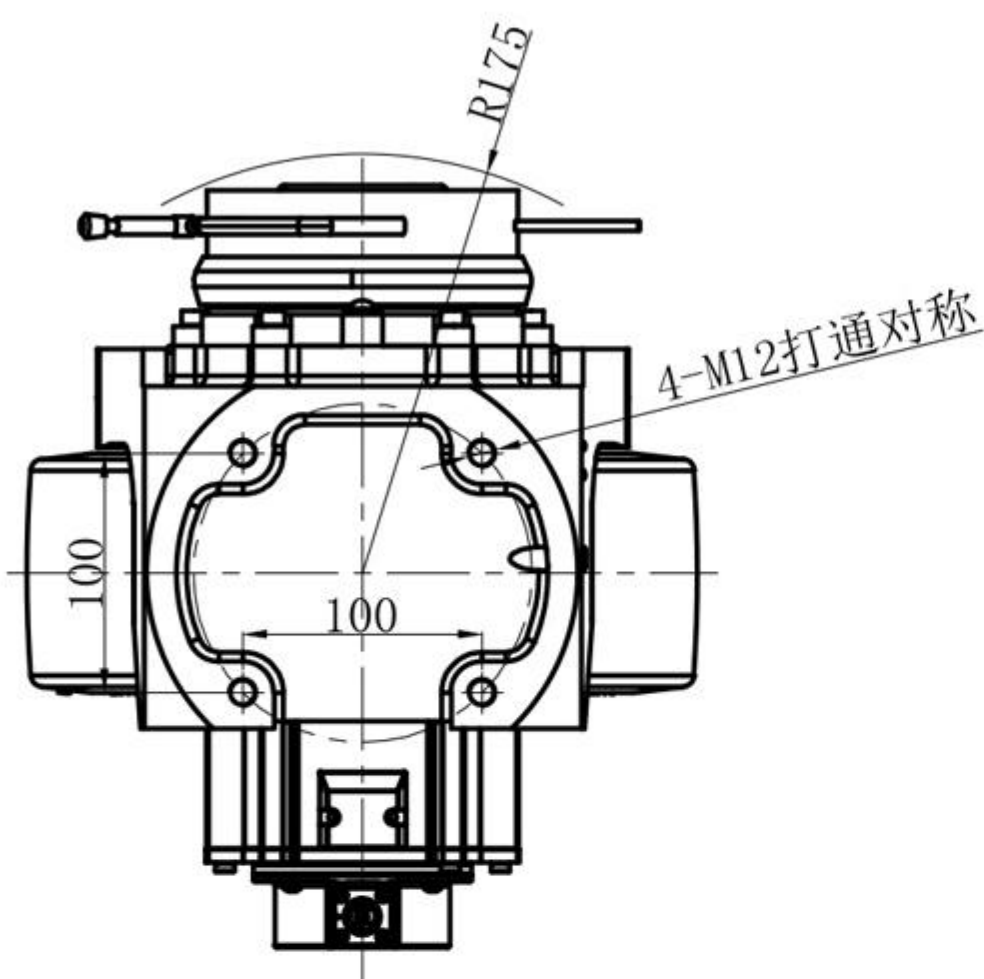
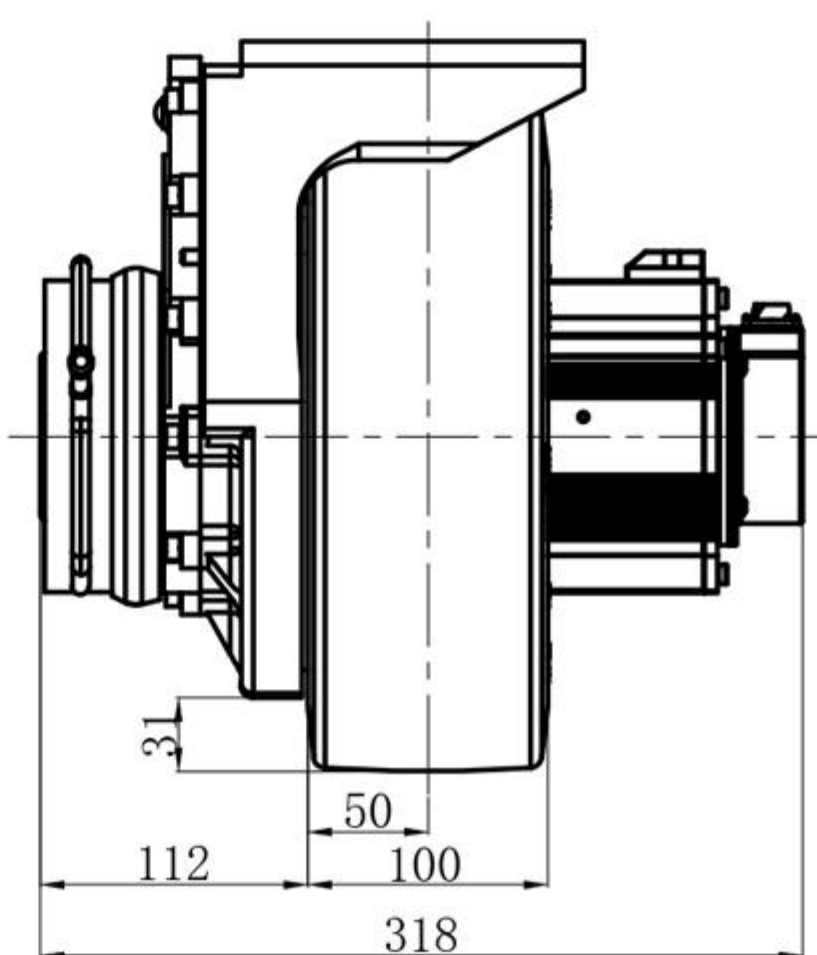
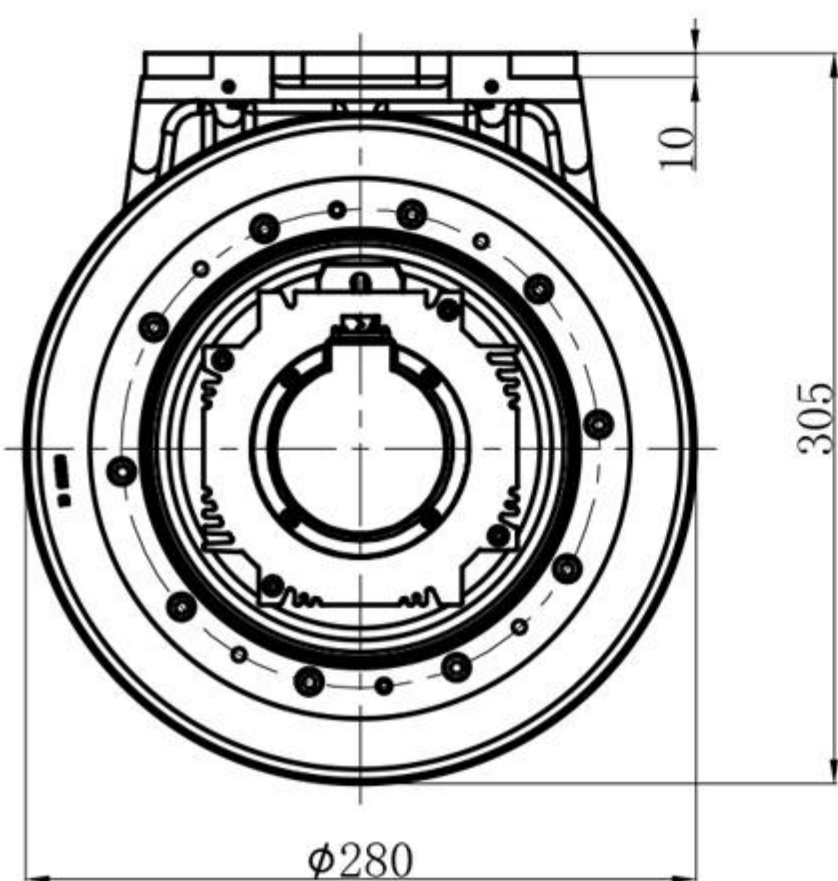
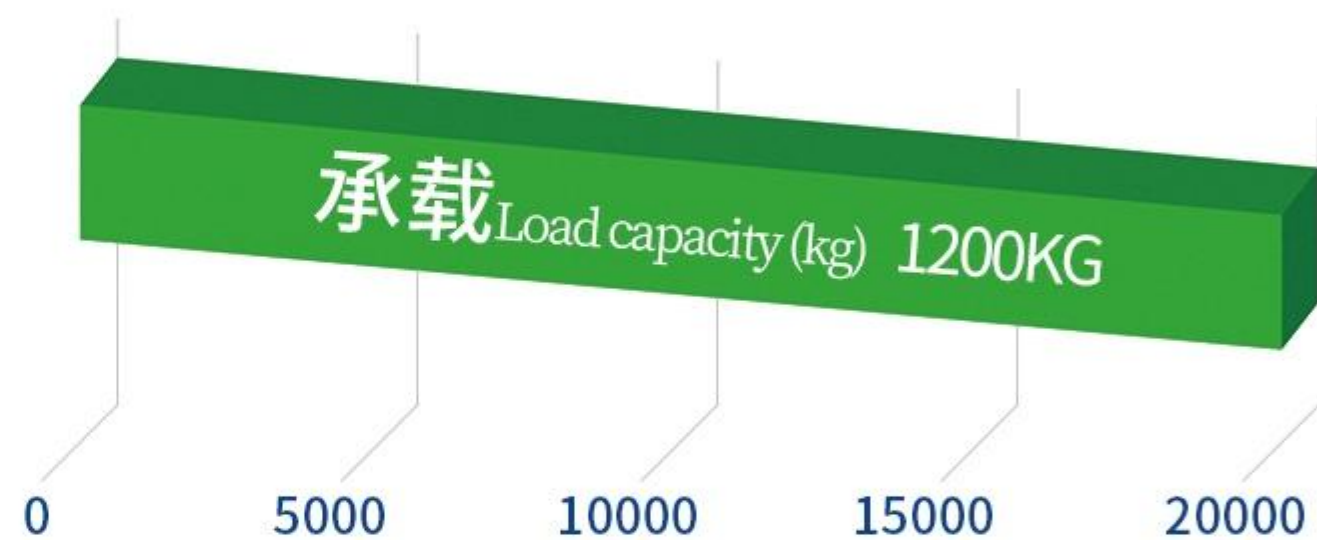


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

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

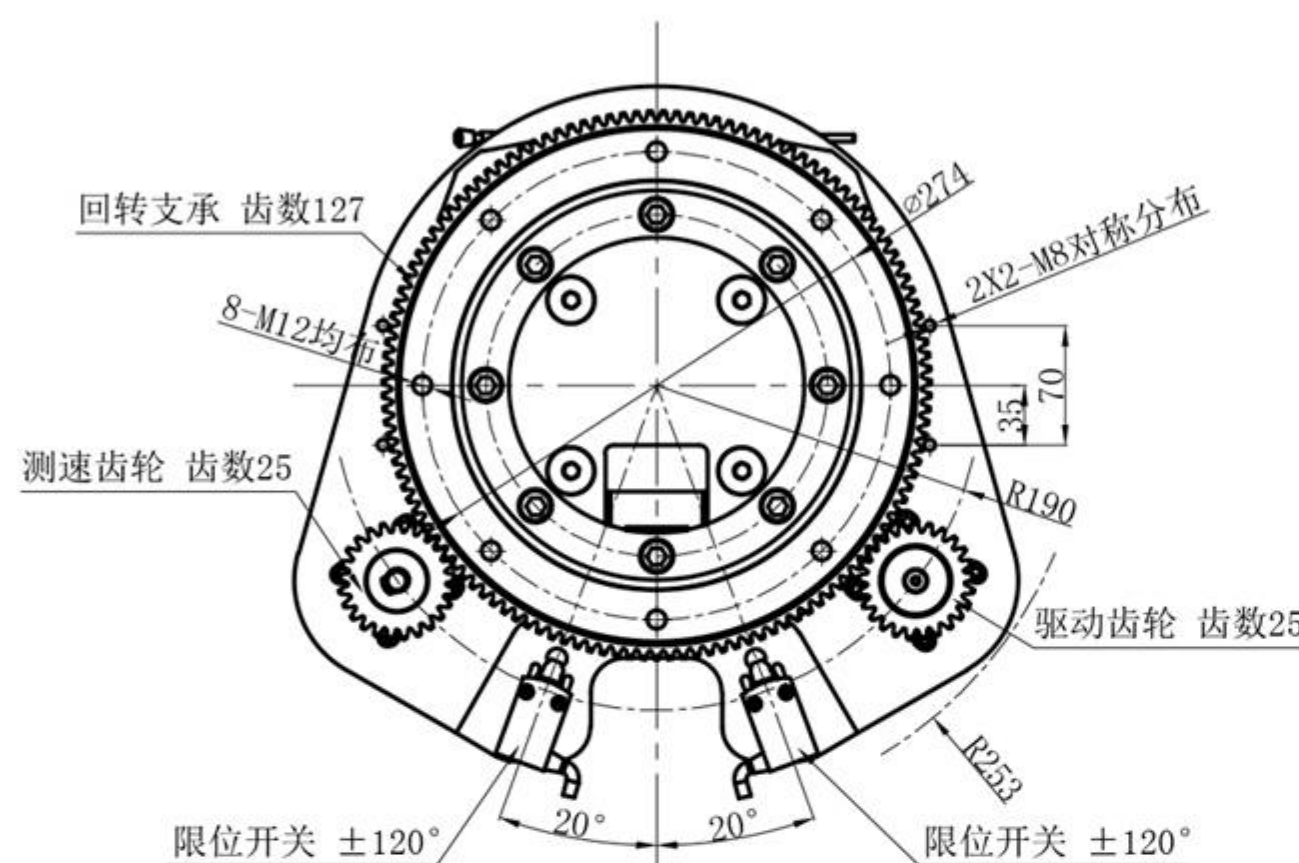
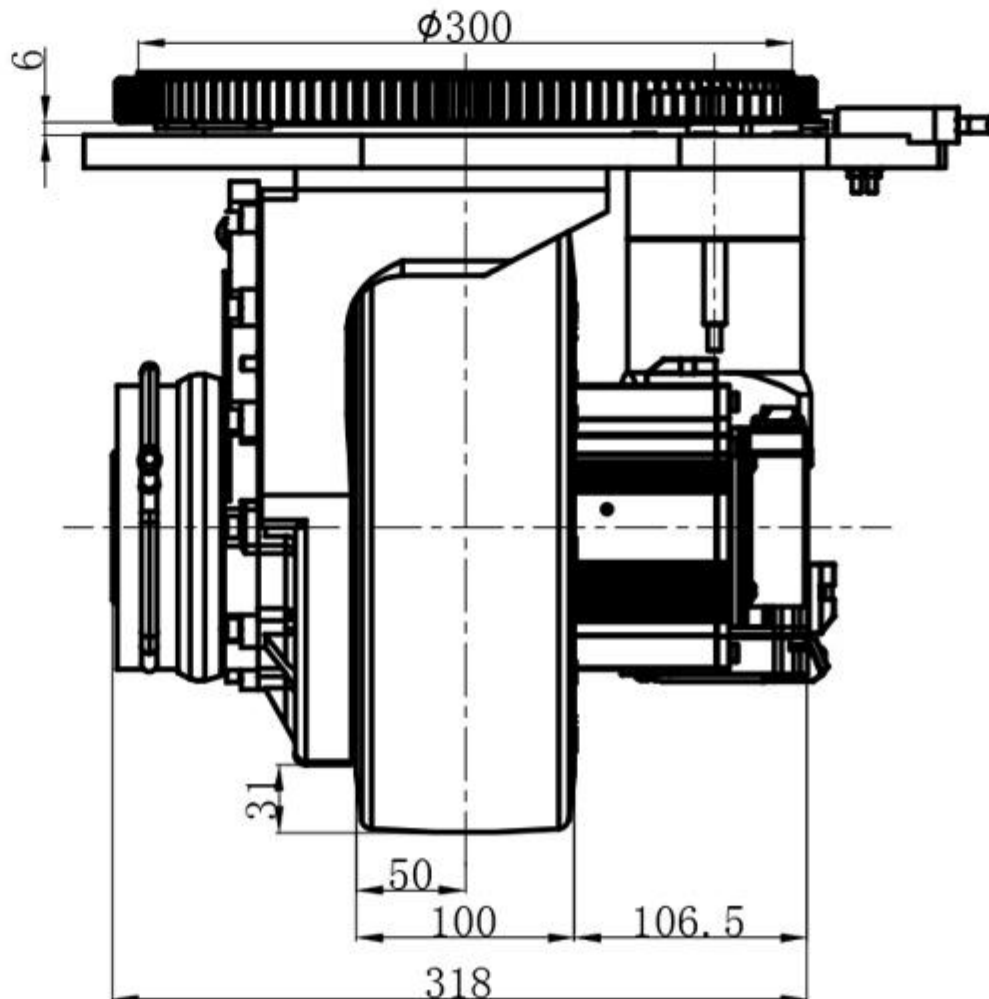
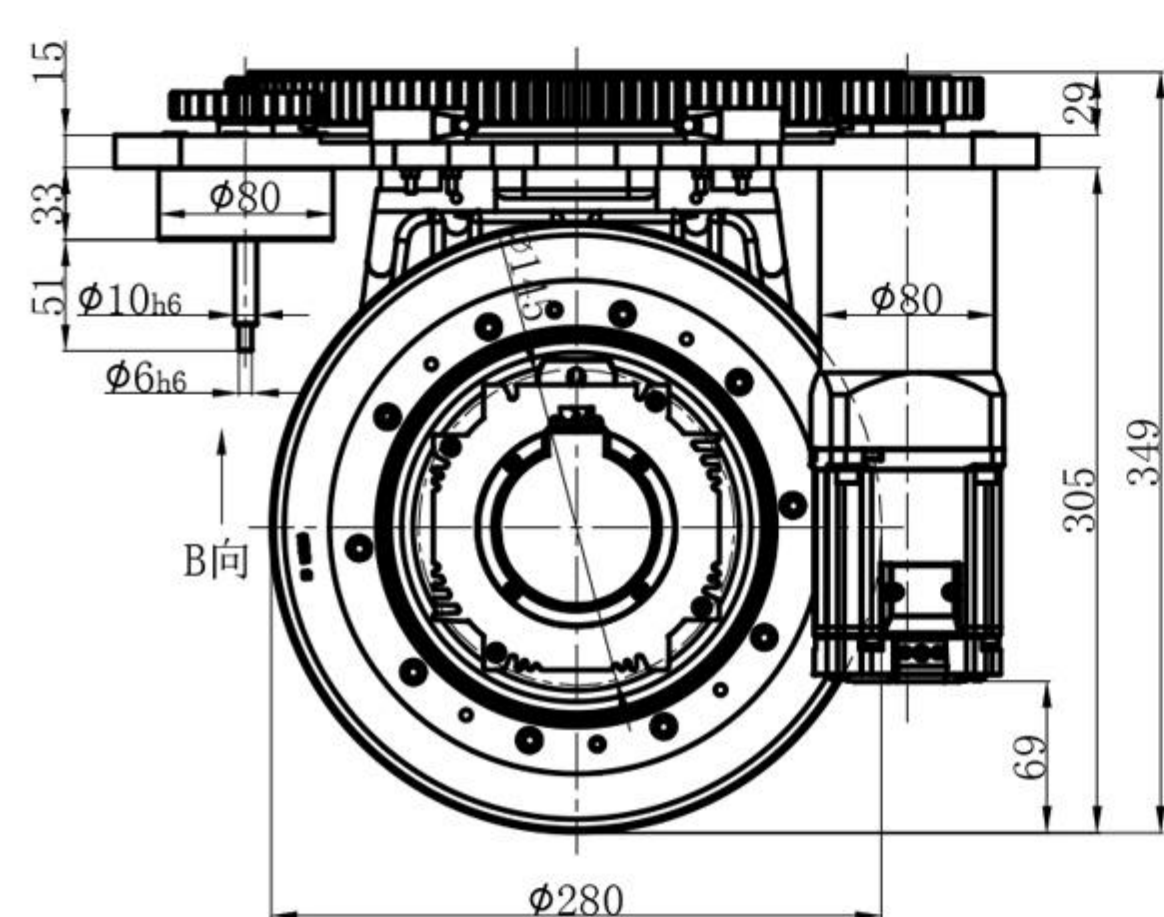


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PLT-280P 舵轮 (Drive wheel)



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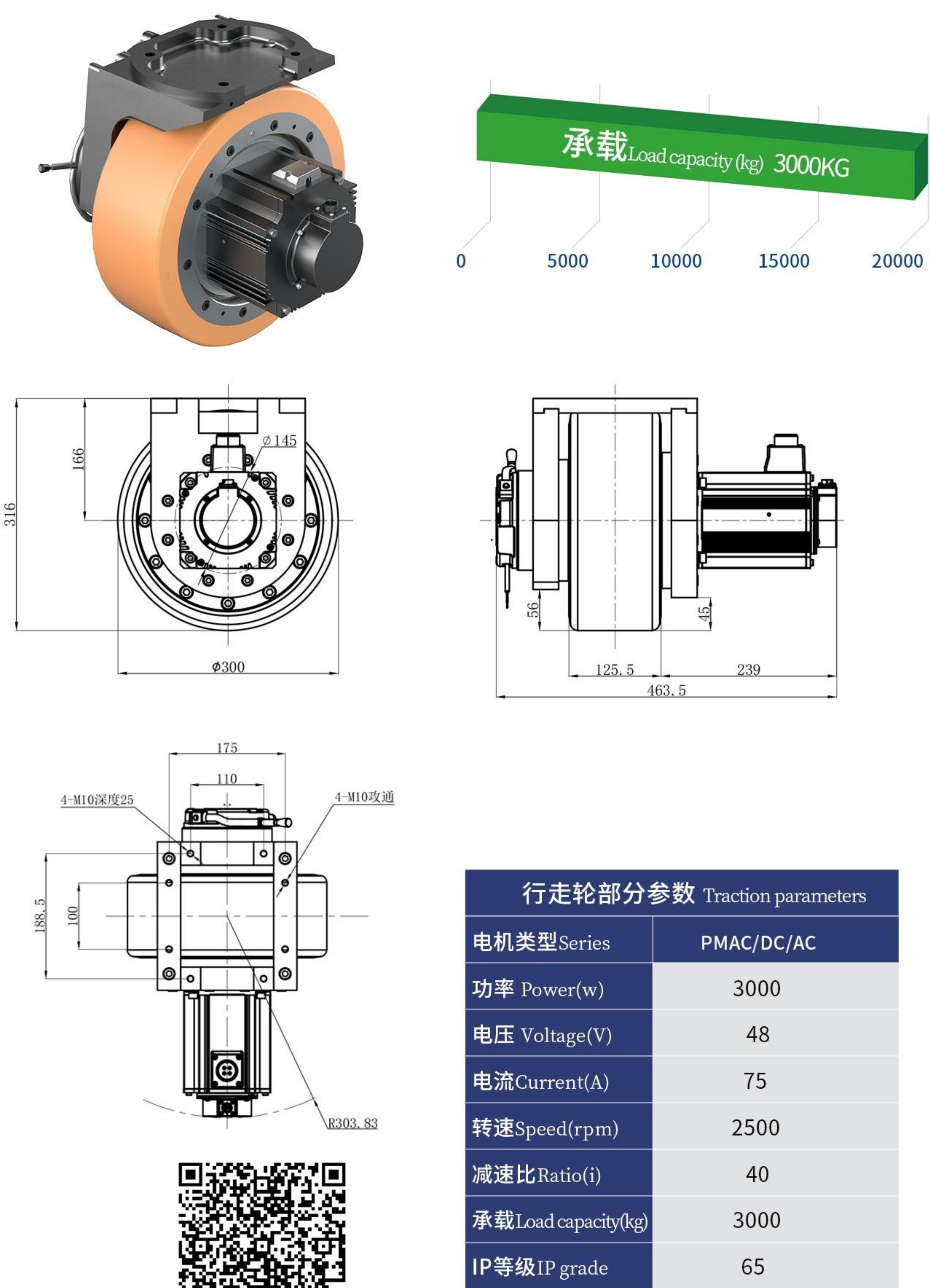


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流 Current(A)	19
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

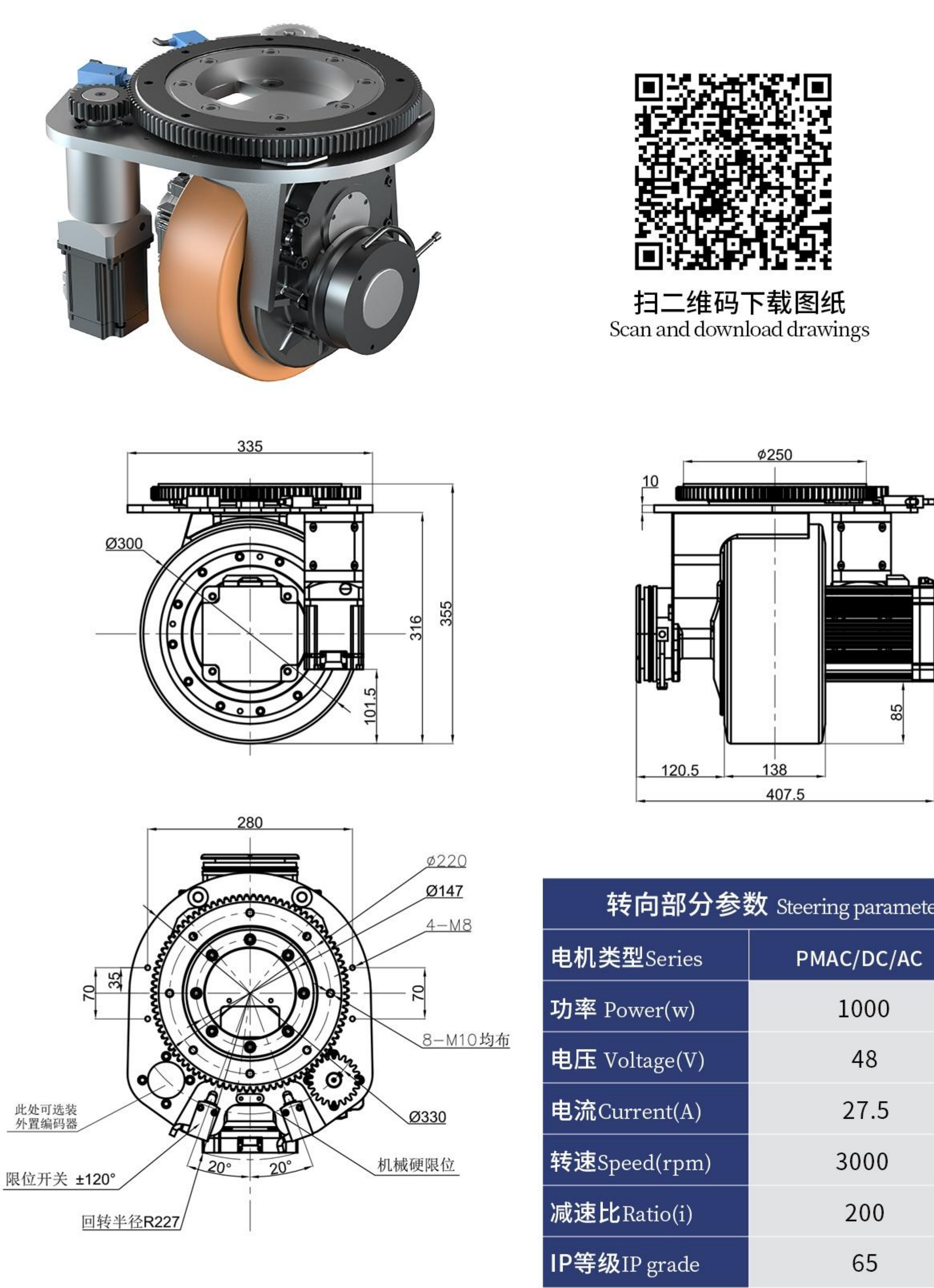
限位开关、原点开关、外置编码器、电位器
Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-300P 行走轮 (Traction system)



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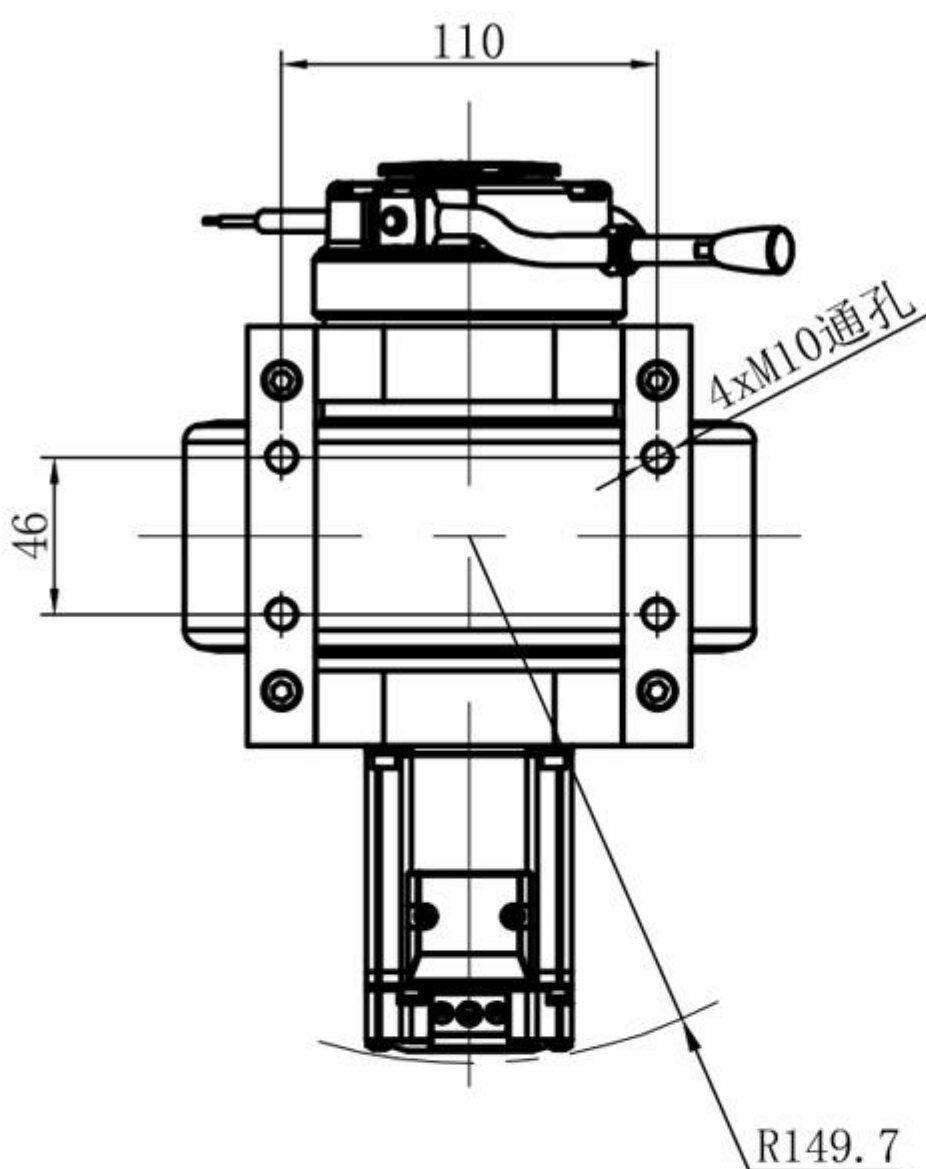
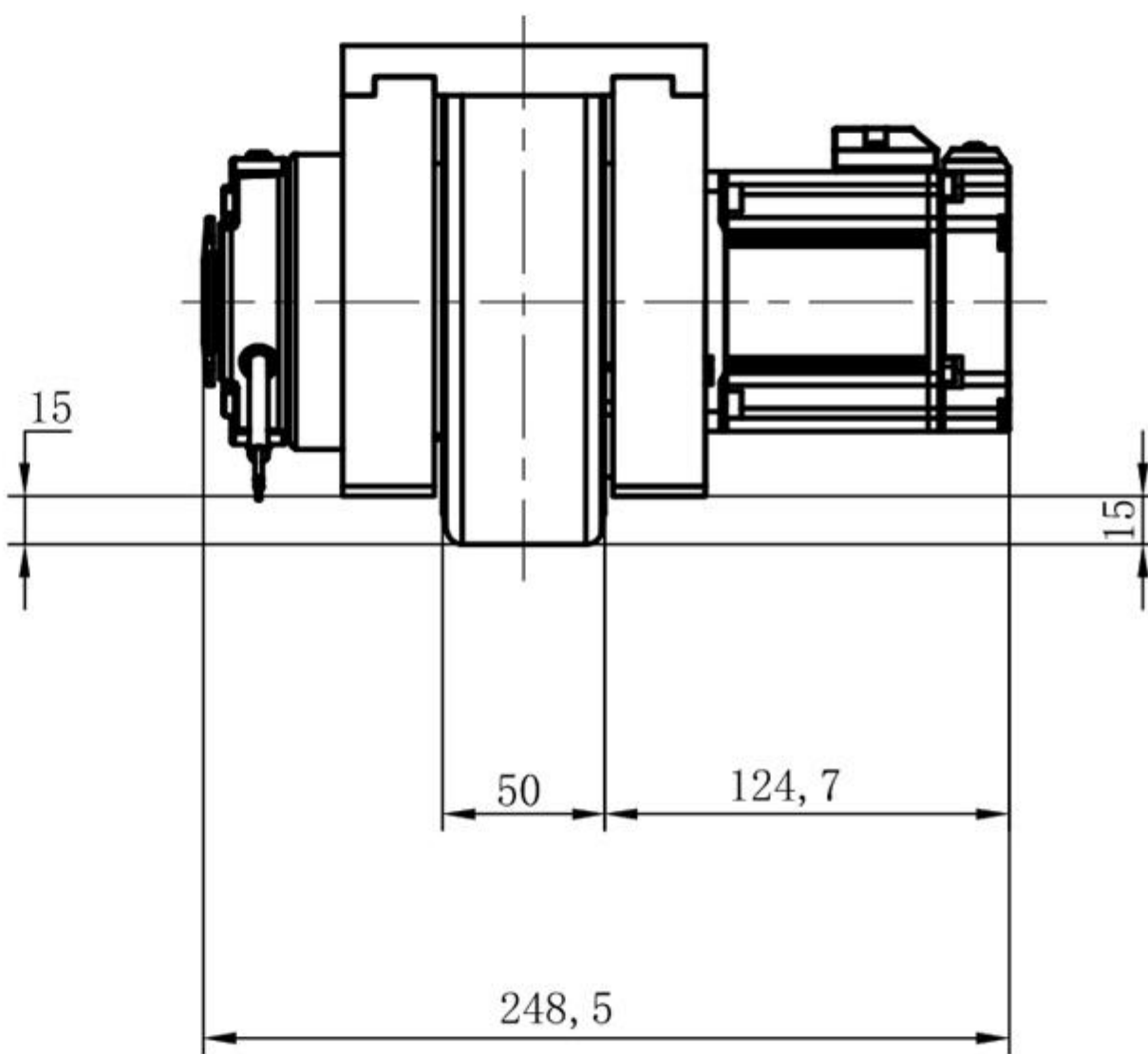
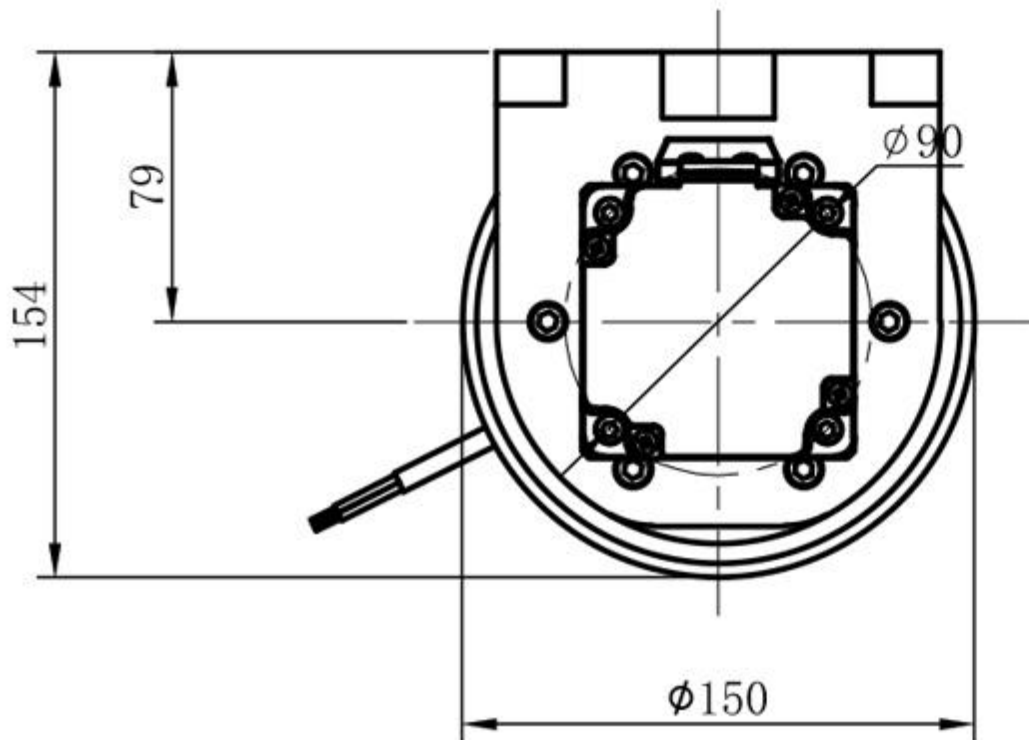
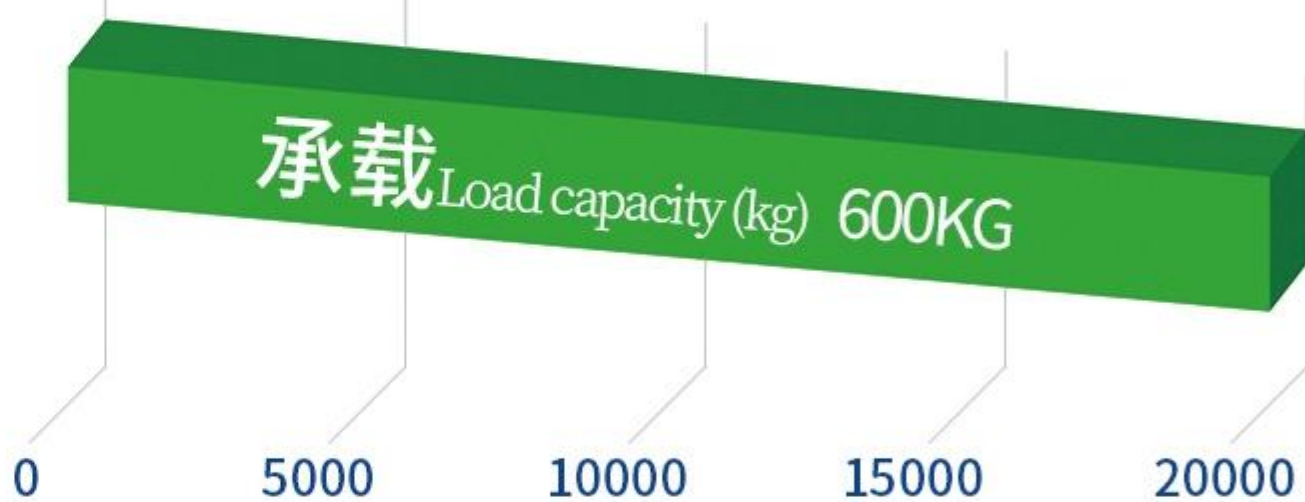
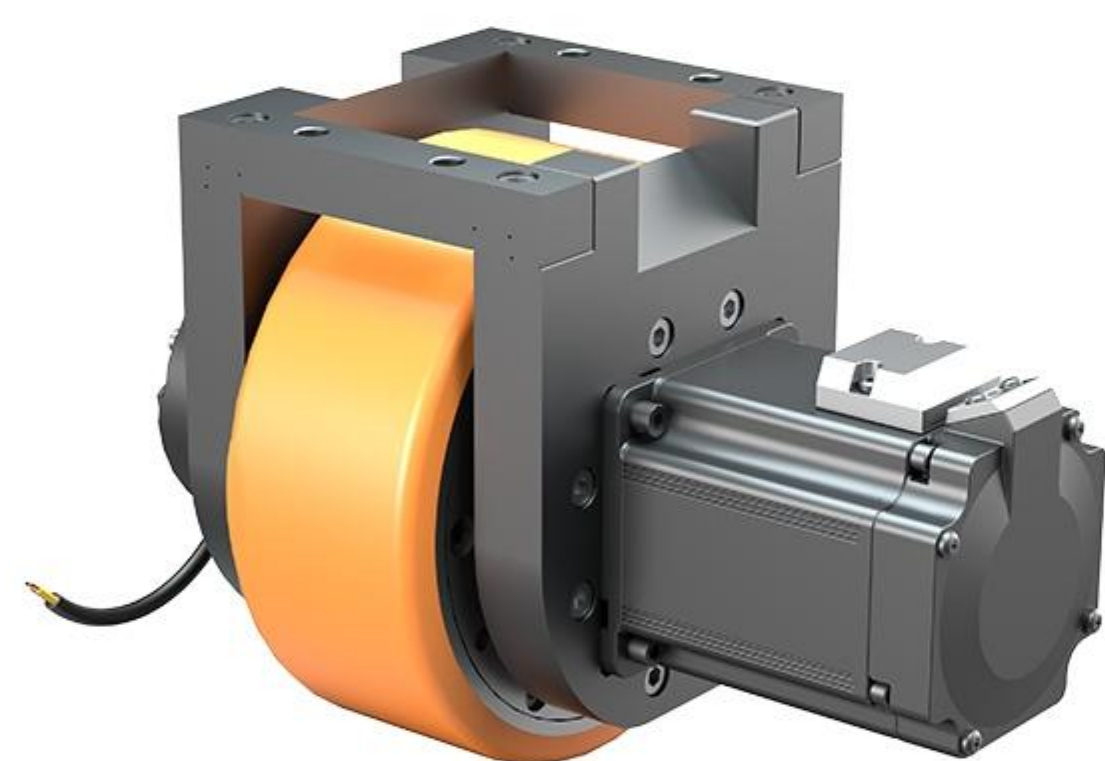
PLT-300P 舵轮 (Drive wheel)



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)



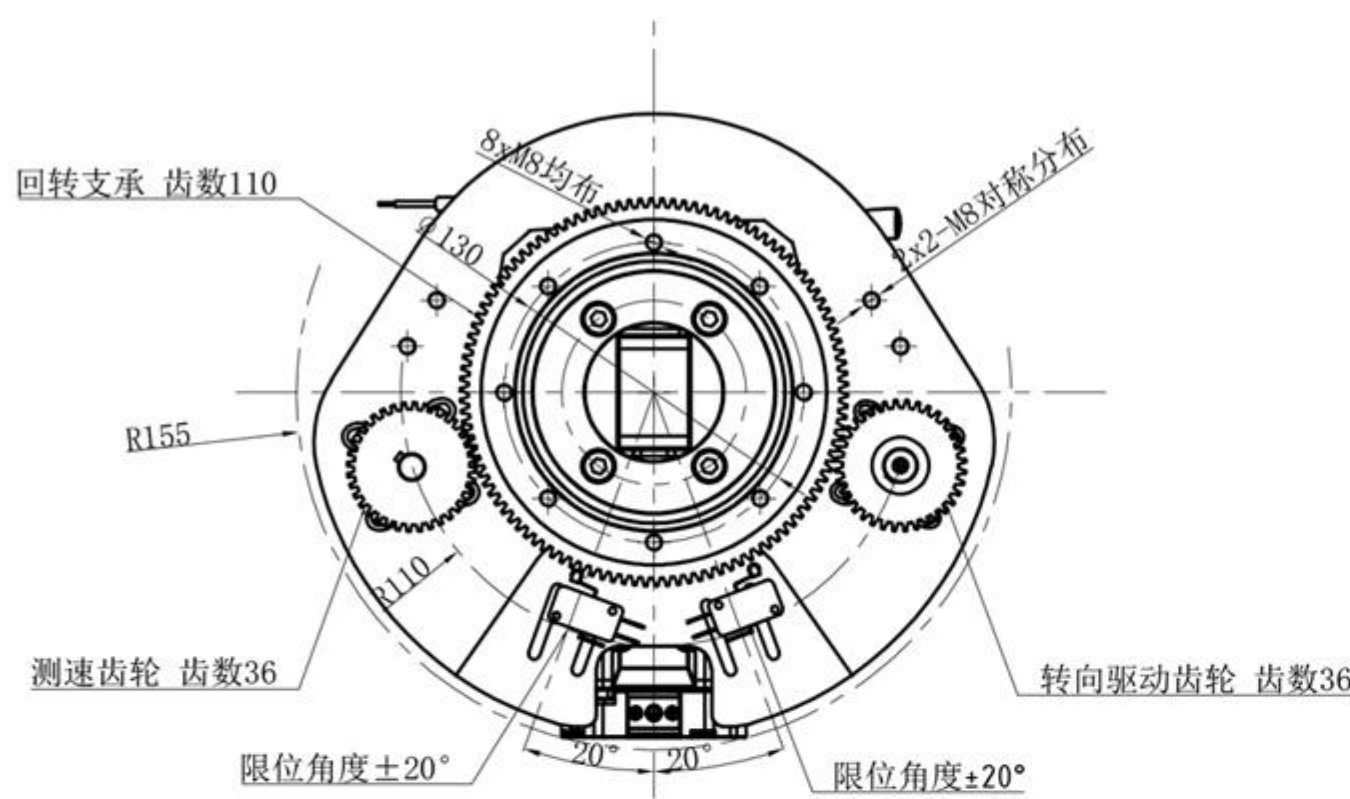
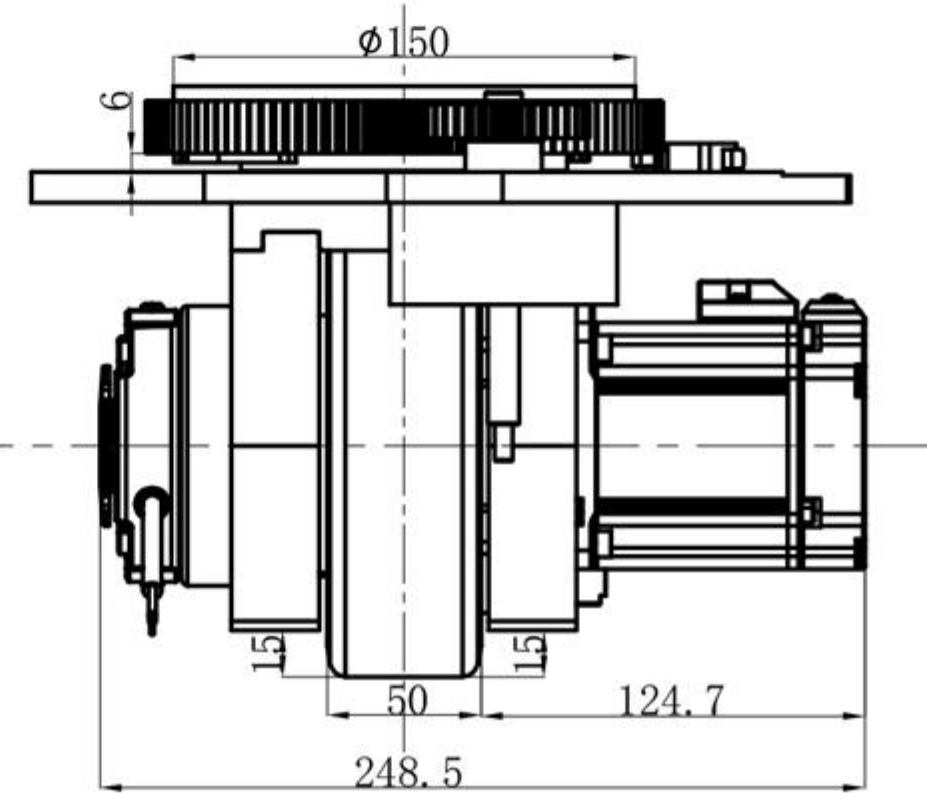
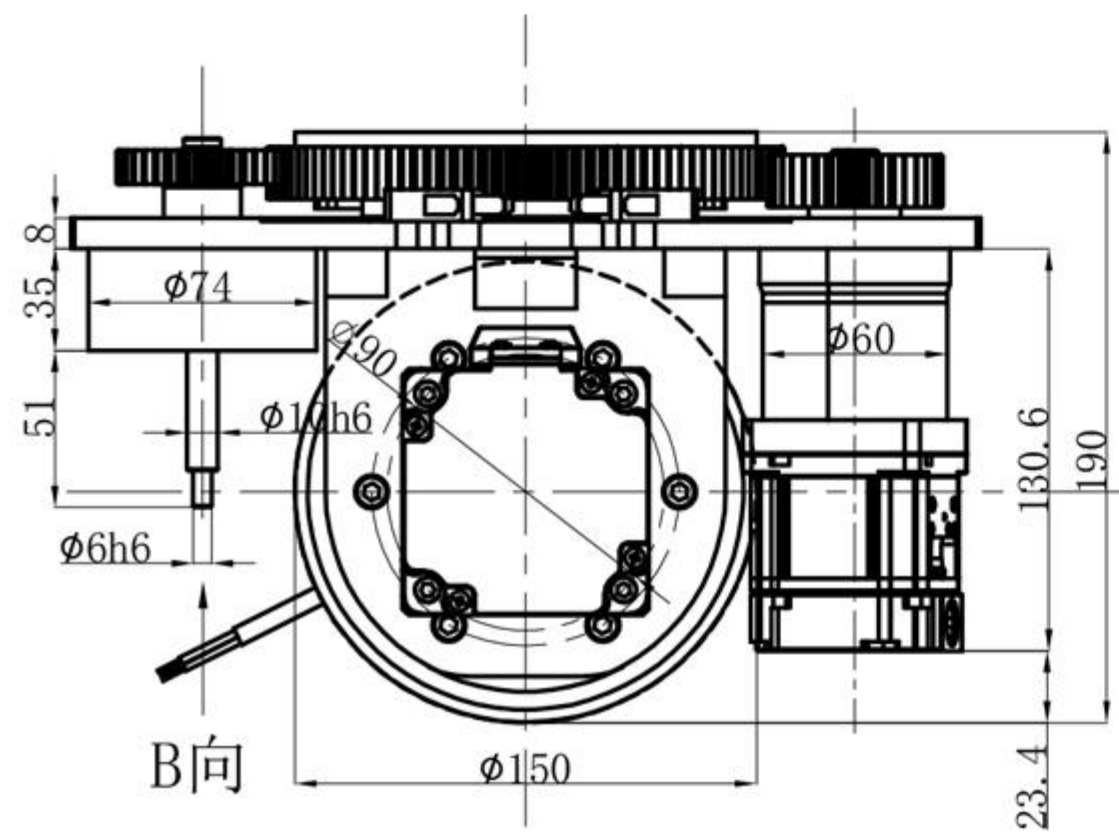
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	750/1000
电压 Voltage(V)	24/48
电流 Current(A)	31/11
转速 Speed(rpm)	3000
减速比 Ratio(i)	21
承载 Load capacity(kg)	600
IP等级 IP grade	65

PLT-150P 舵轮 (Drive wheel)



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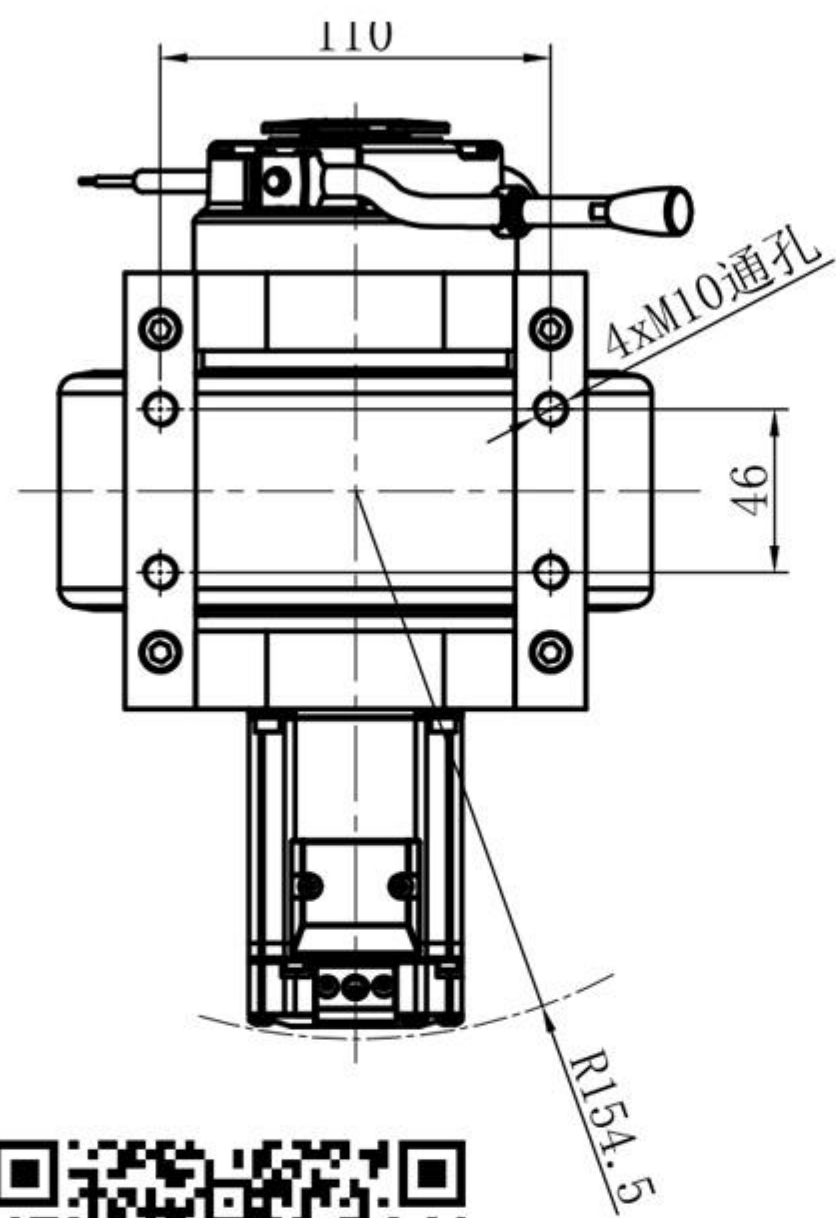
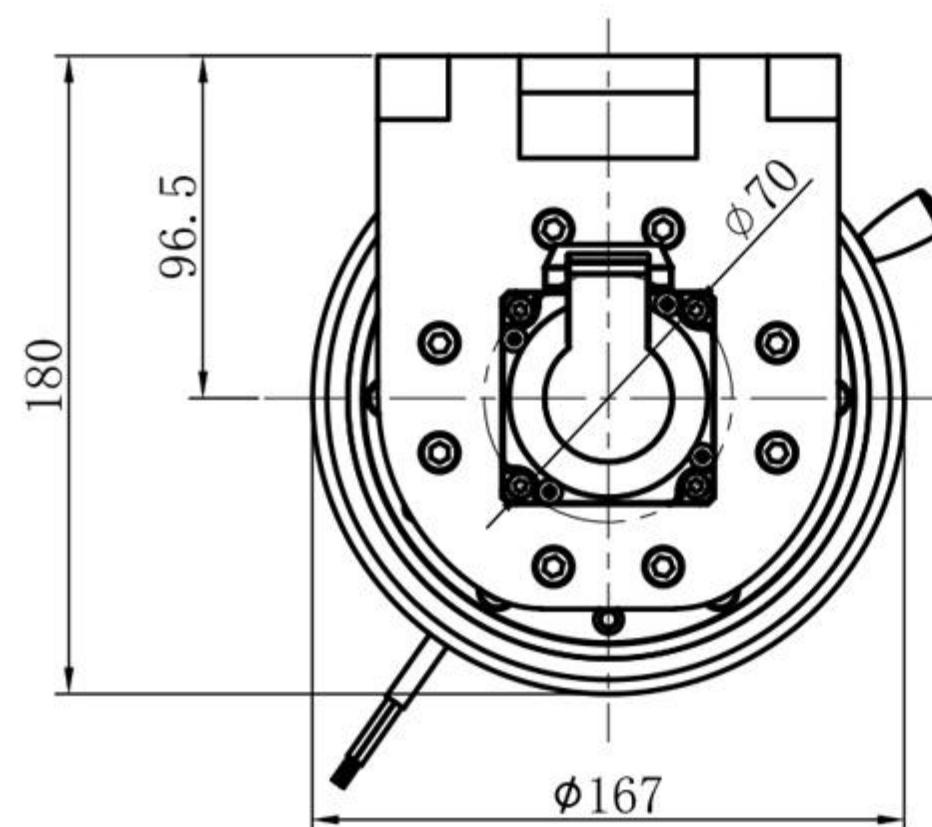
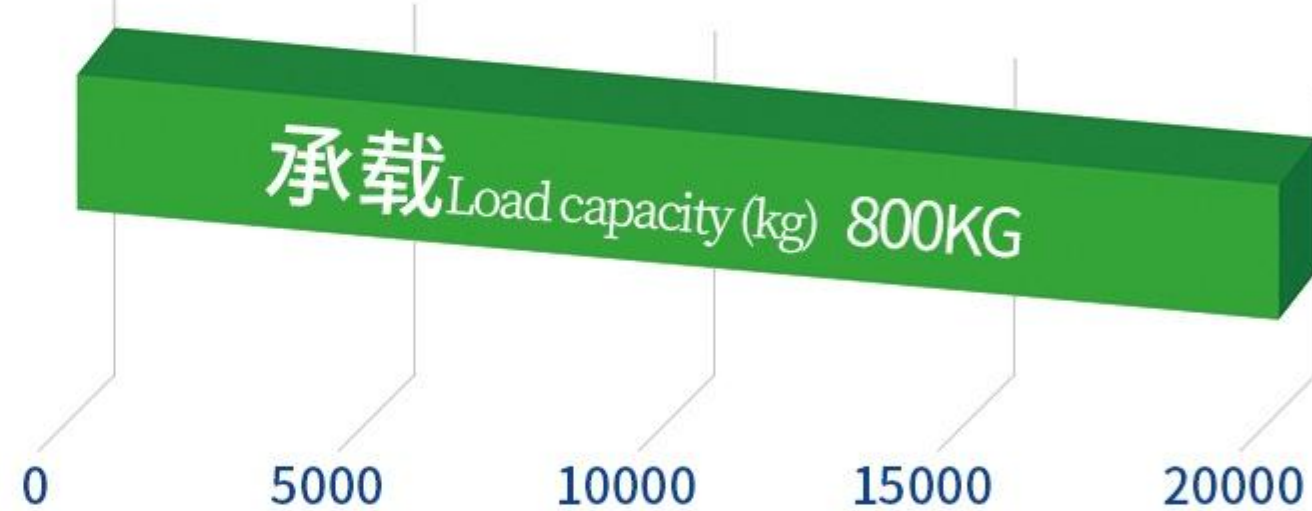
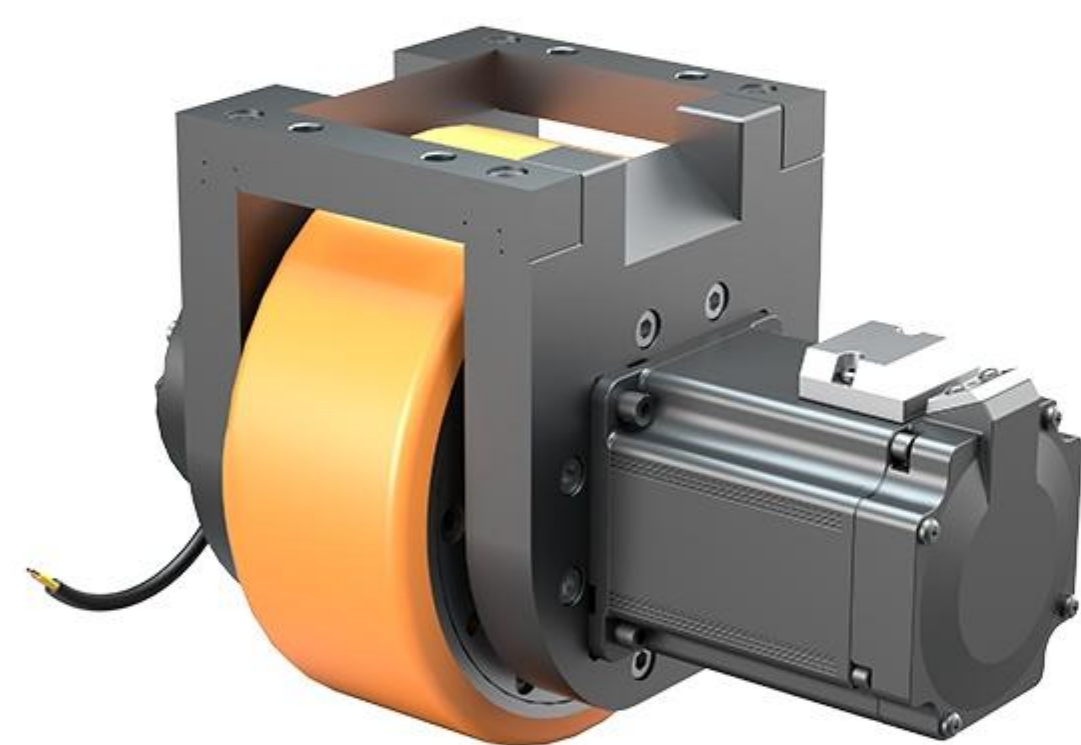


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	100/200
电压 Voltage(V)	24/48
电流 Current(A)	6.5/1.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

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

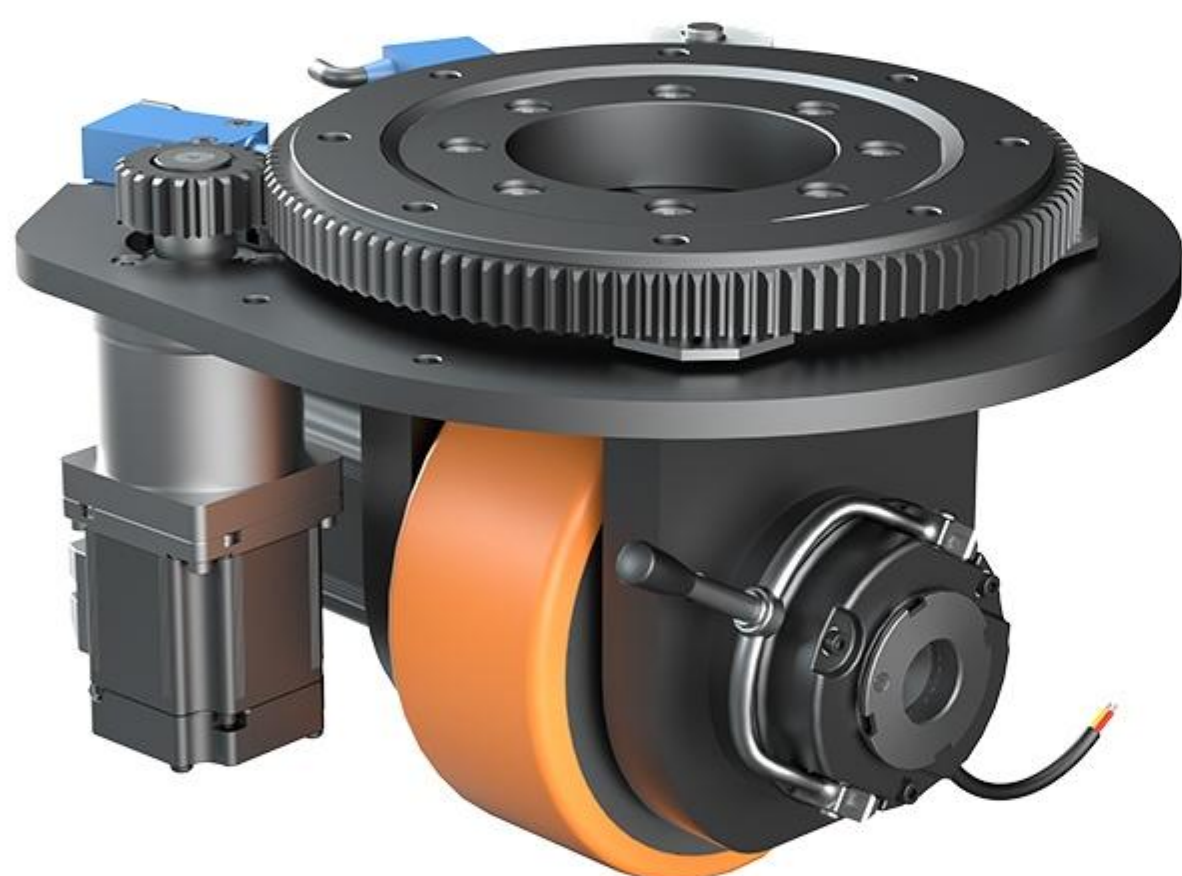
PLT-167P 行走轮 (Traction system)



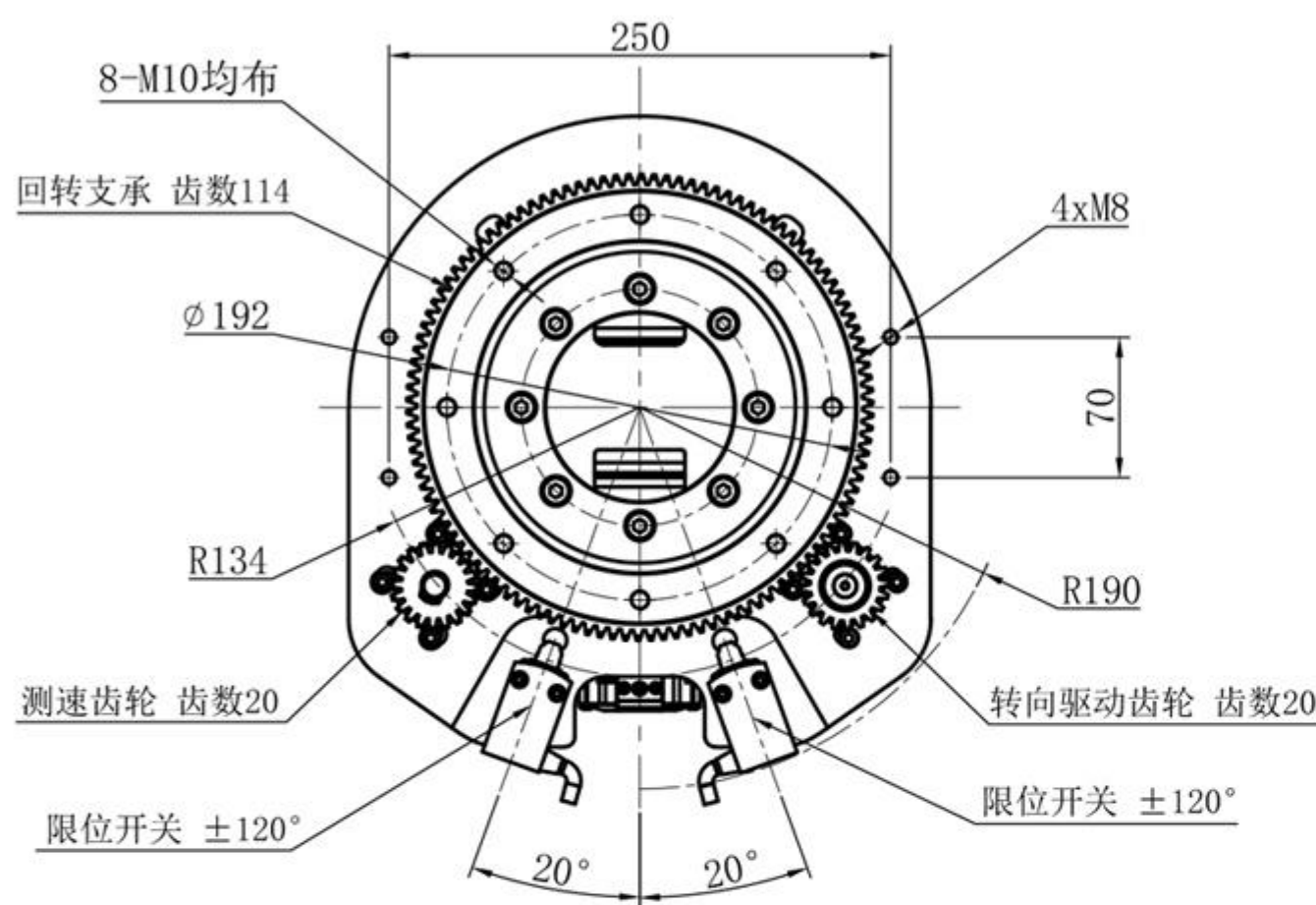
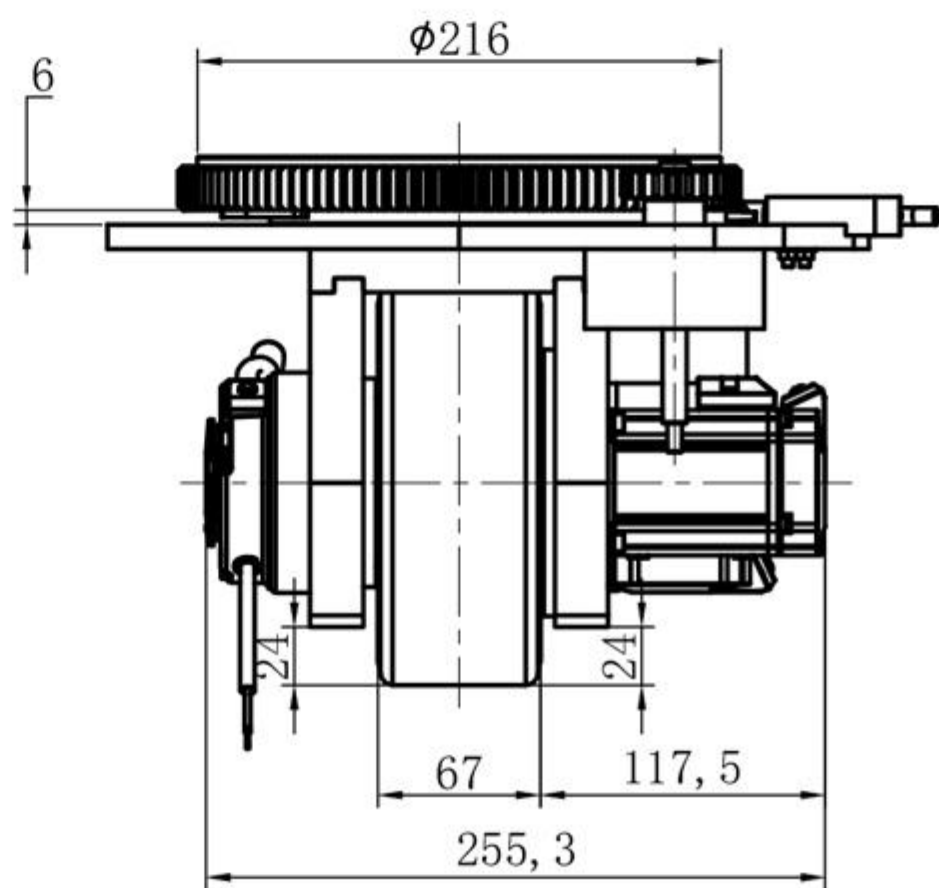
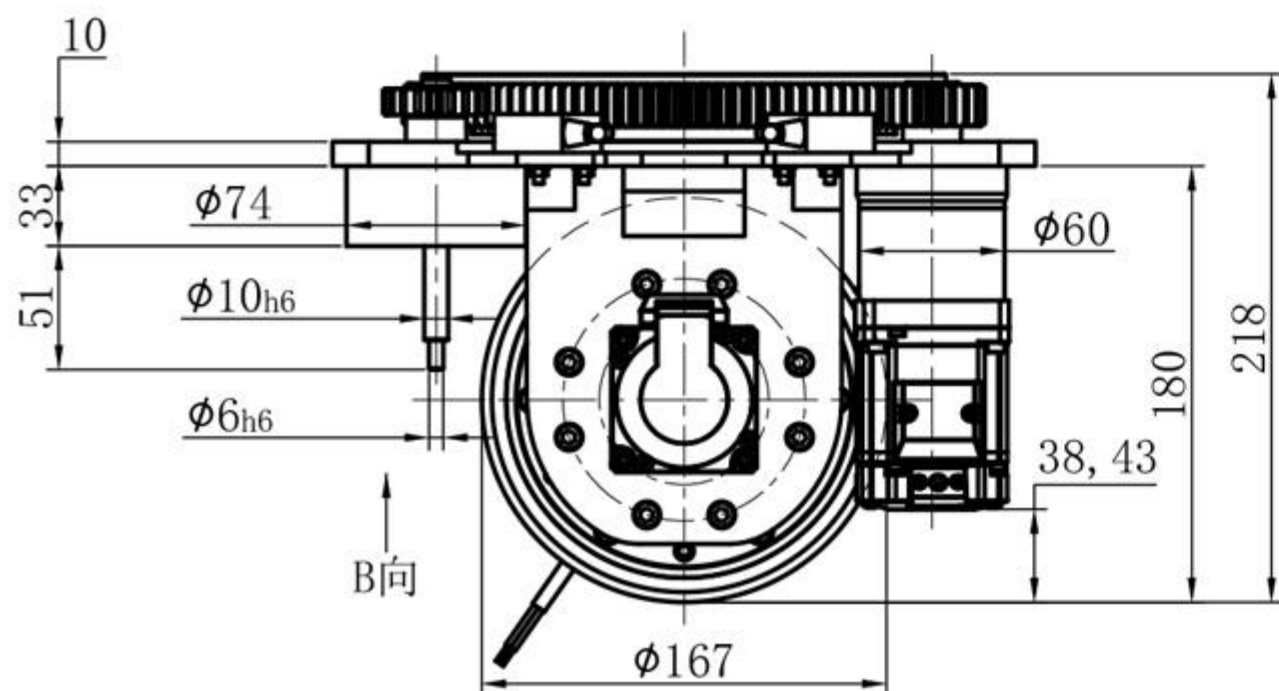
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	400/750/1000
电压 Voltage(V)	24/48
电流Current(A)	8.9-46
转速Speed(rpm)	3000
减速比Ratio(i)	21/32
承载Load capacity(kg)	800
IP等级IP grade	65

PLT-167P 舵轮 (Drive wheel)



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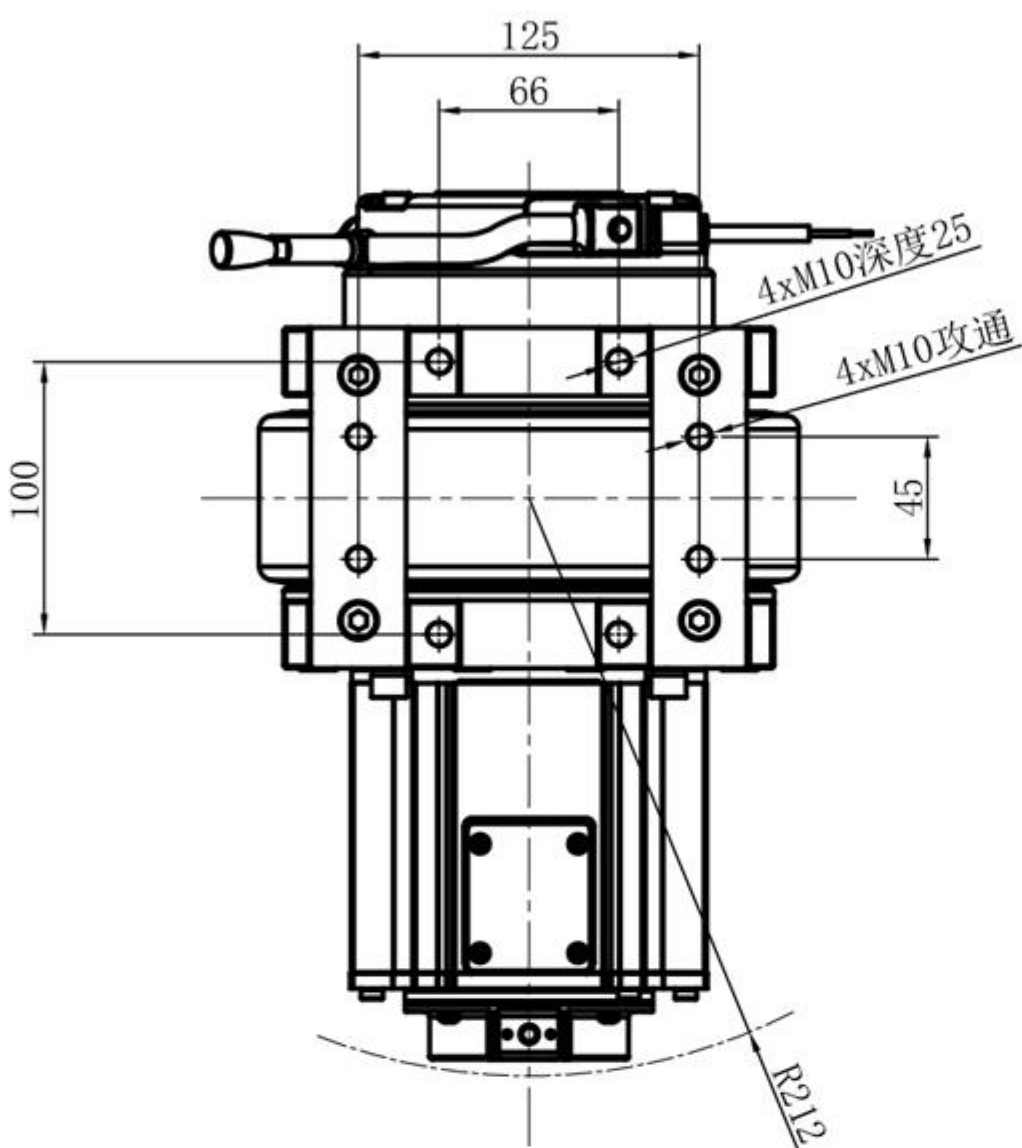
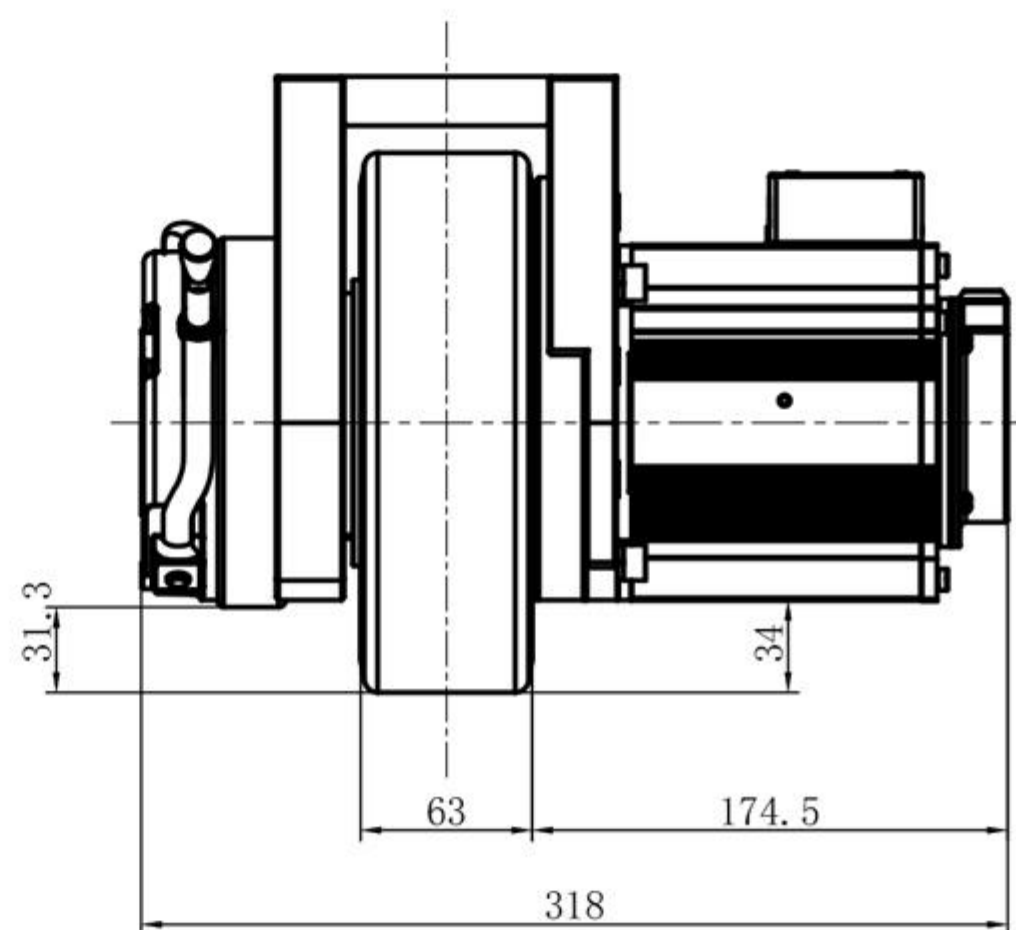
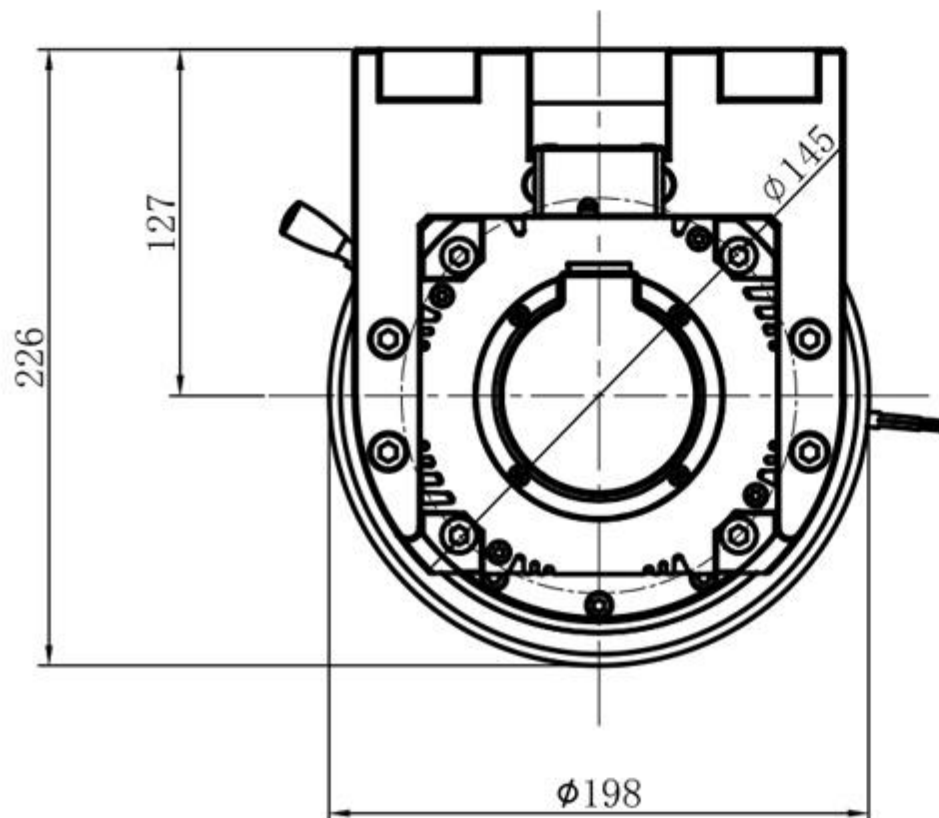
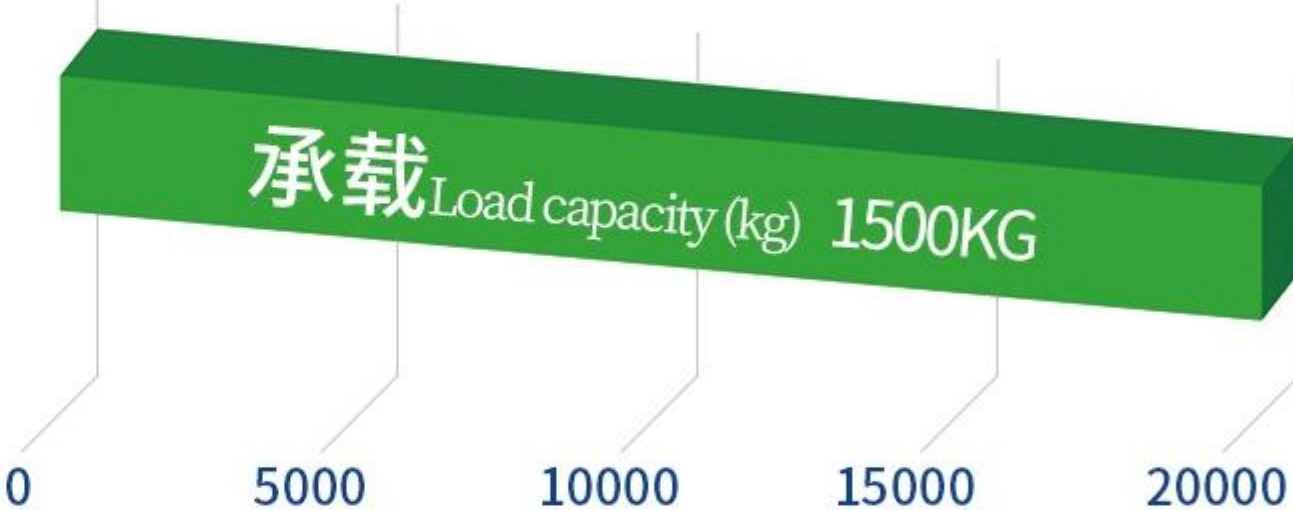
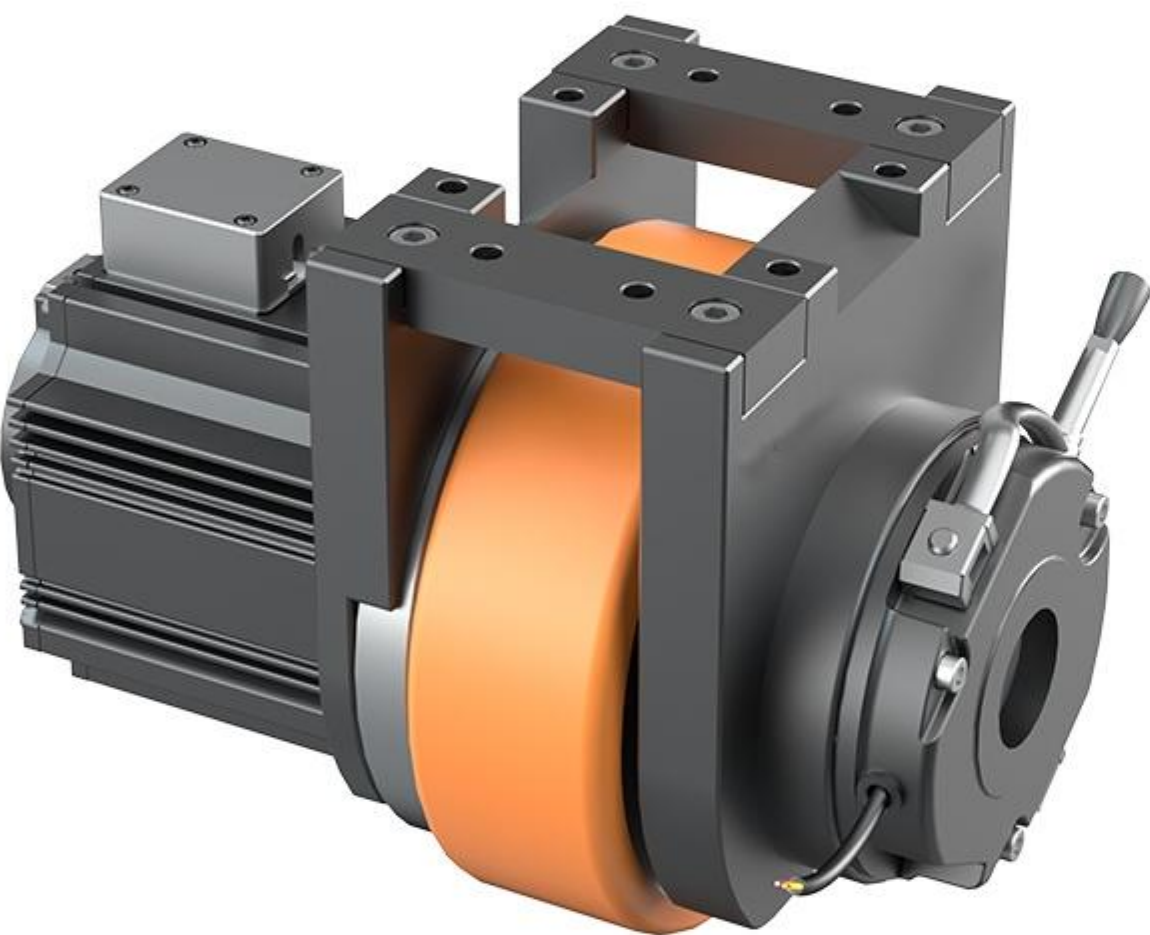


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	100/200
电压 Voltage(V)	24/48
电流Current(A)	1.5-6.5
转速Speed(rpm)	3000
减速比Ratio(i)	50
IP等级IP grade	65

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)



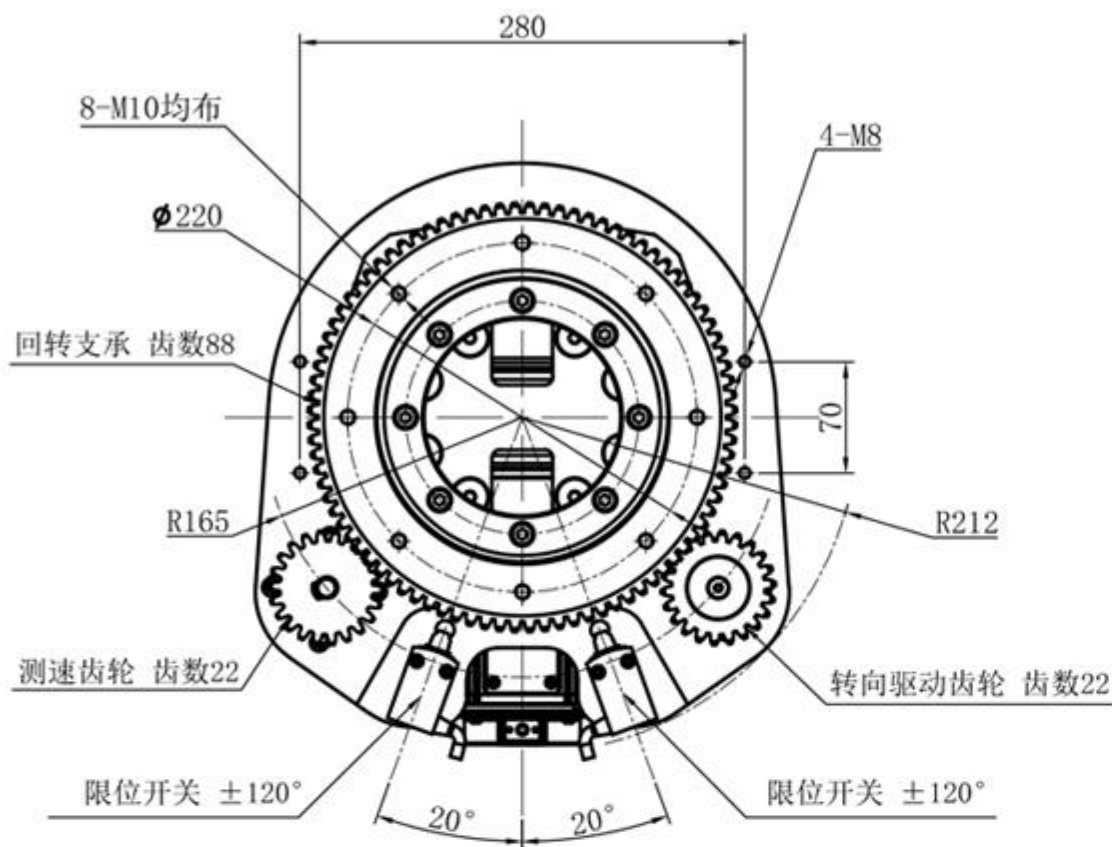
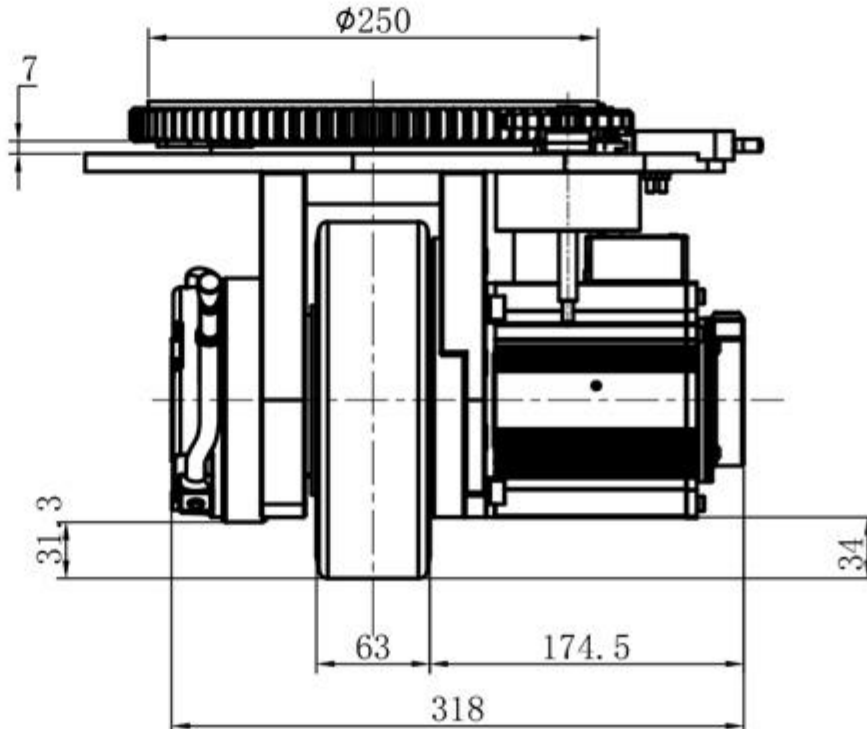
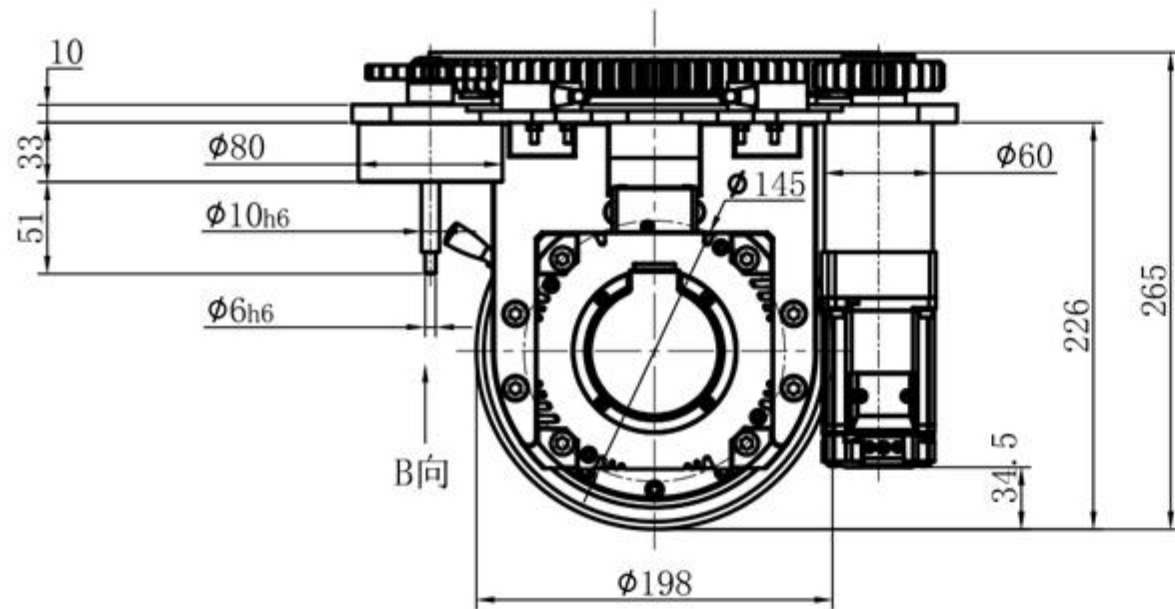
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1500/3000
电压 Voltage(V)	48
电流 Current(A)	33-67
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	1500
IP等级 IP grade	65

PLT-198P 舵轮 (Drive wheel)



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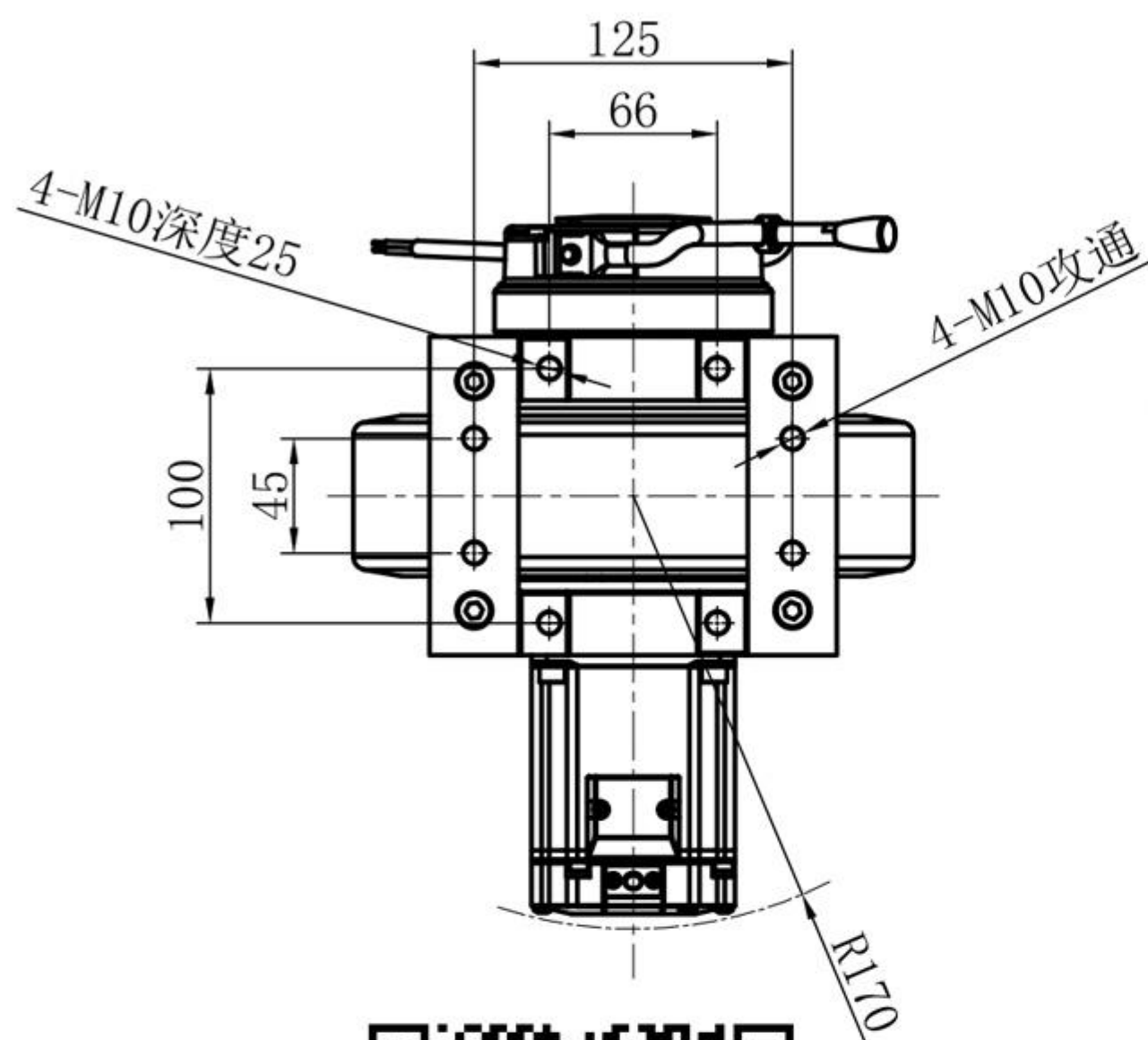
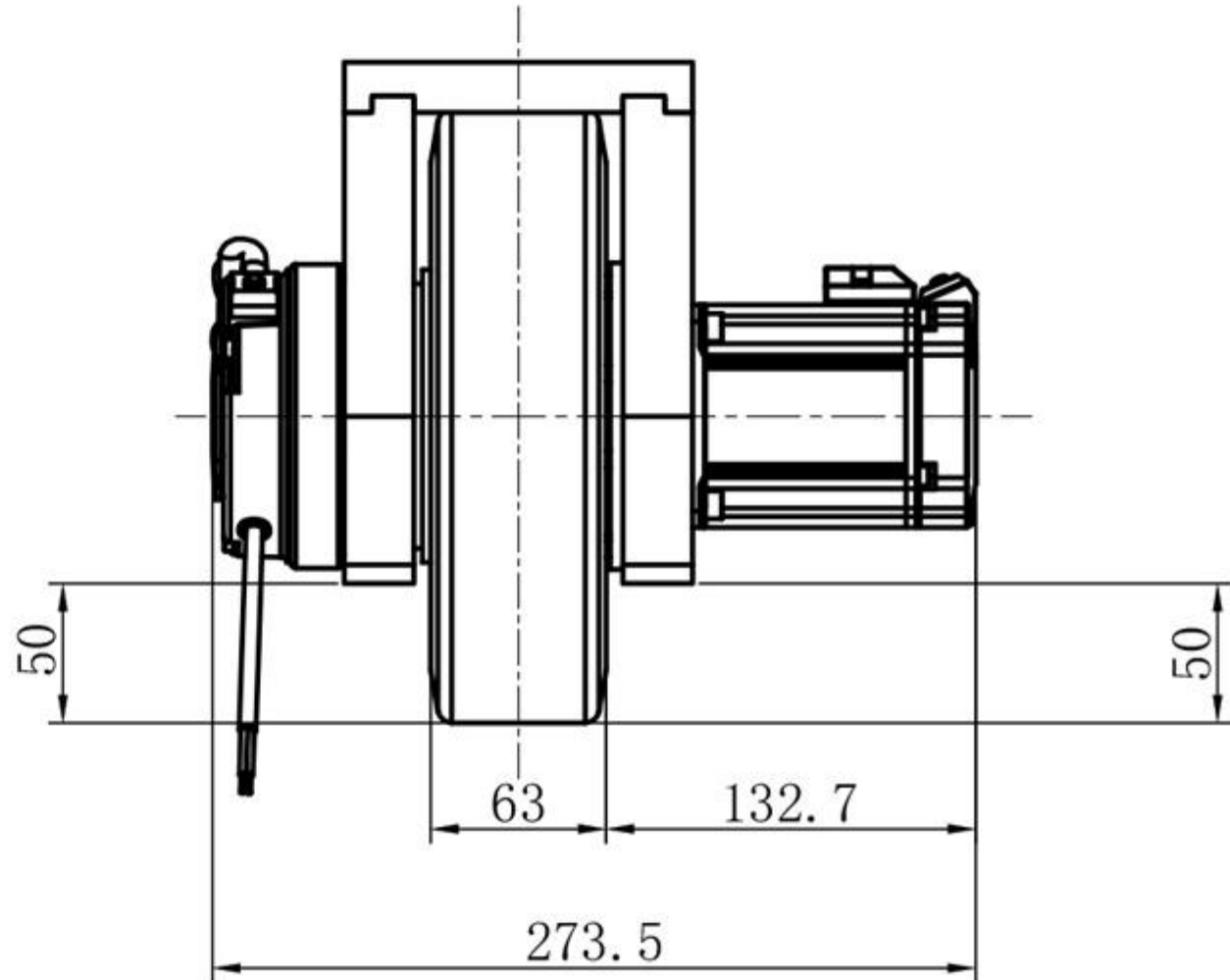
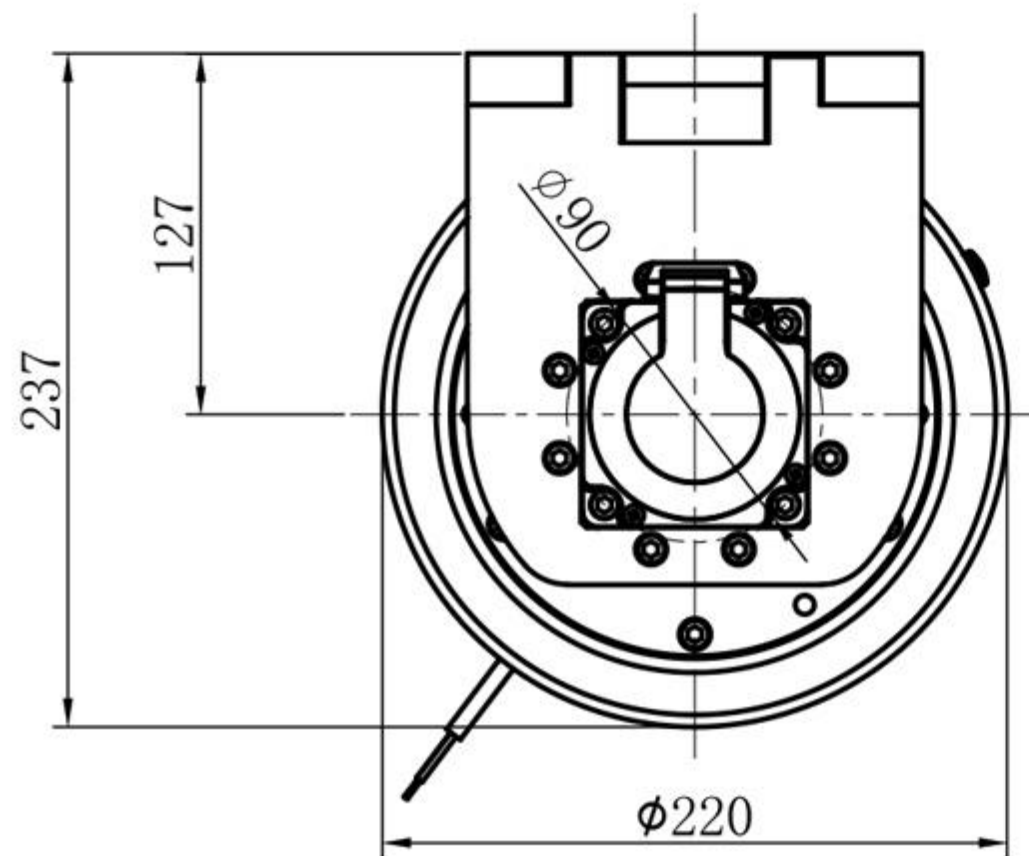
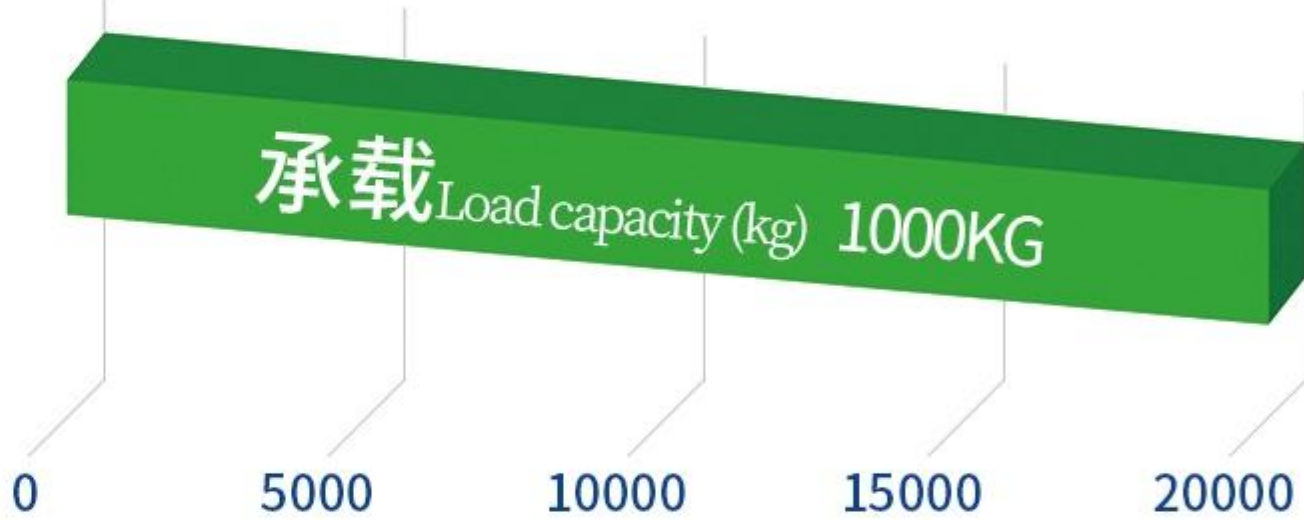
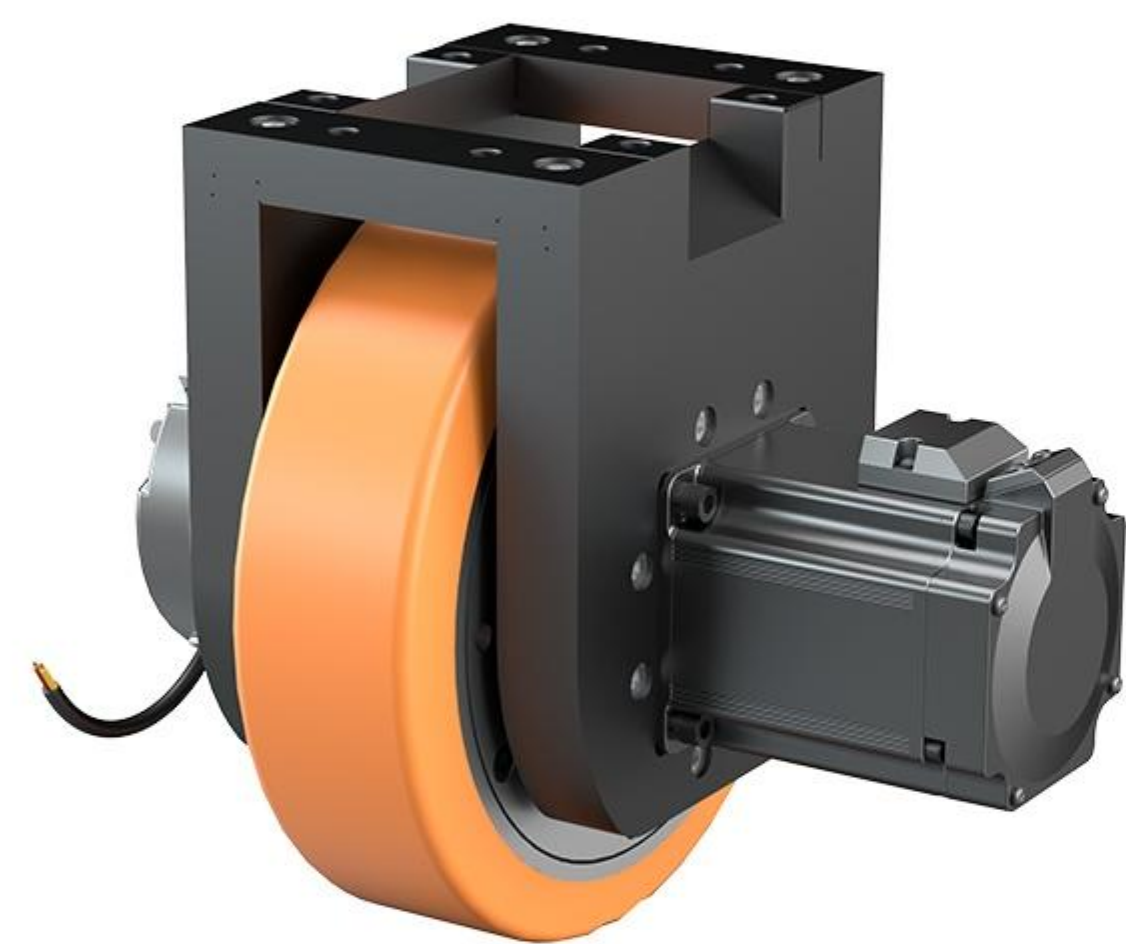


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	8.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

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)



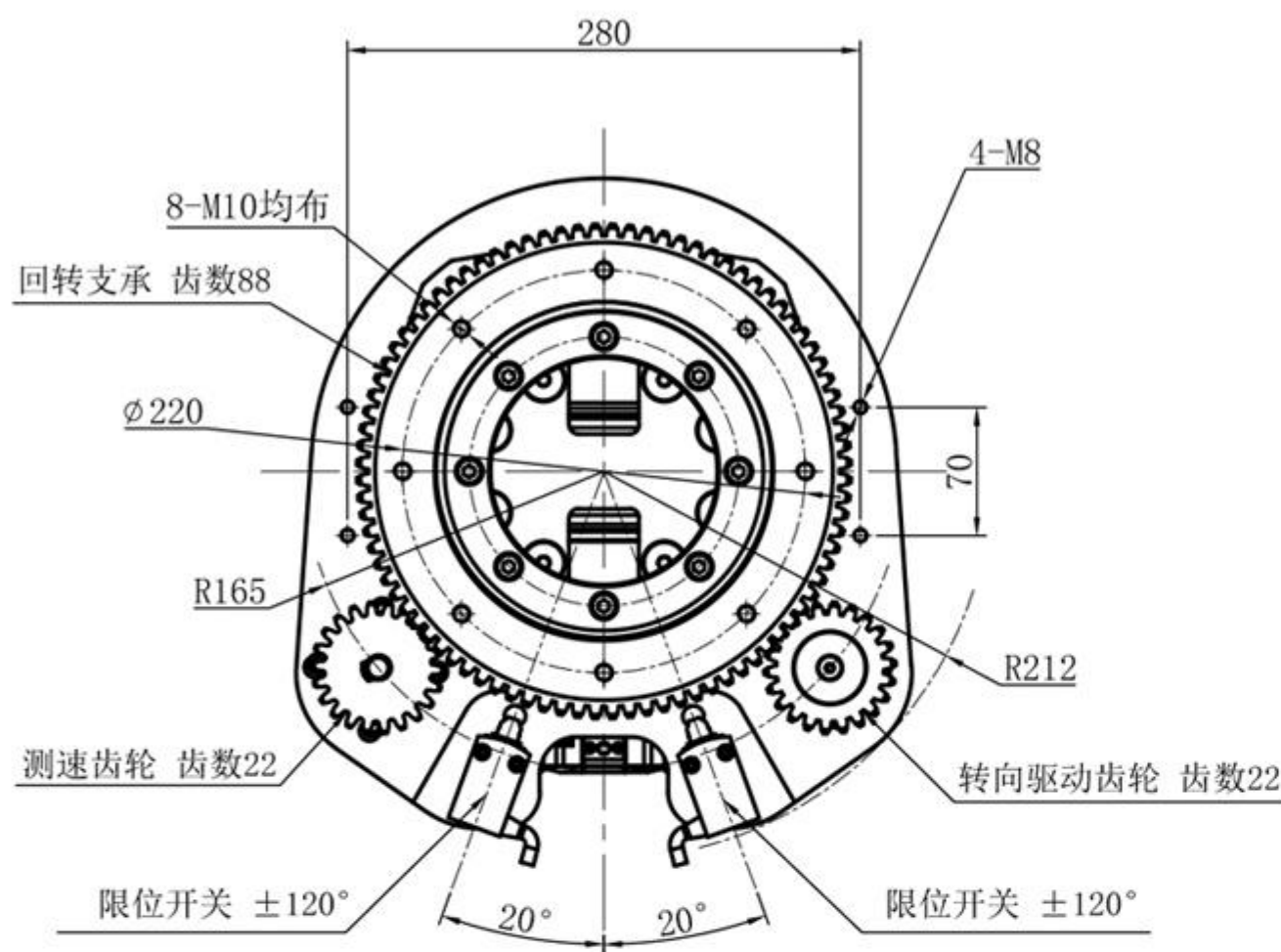
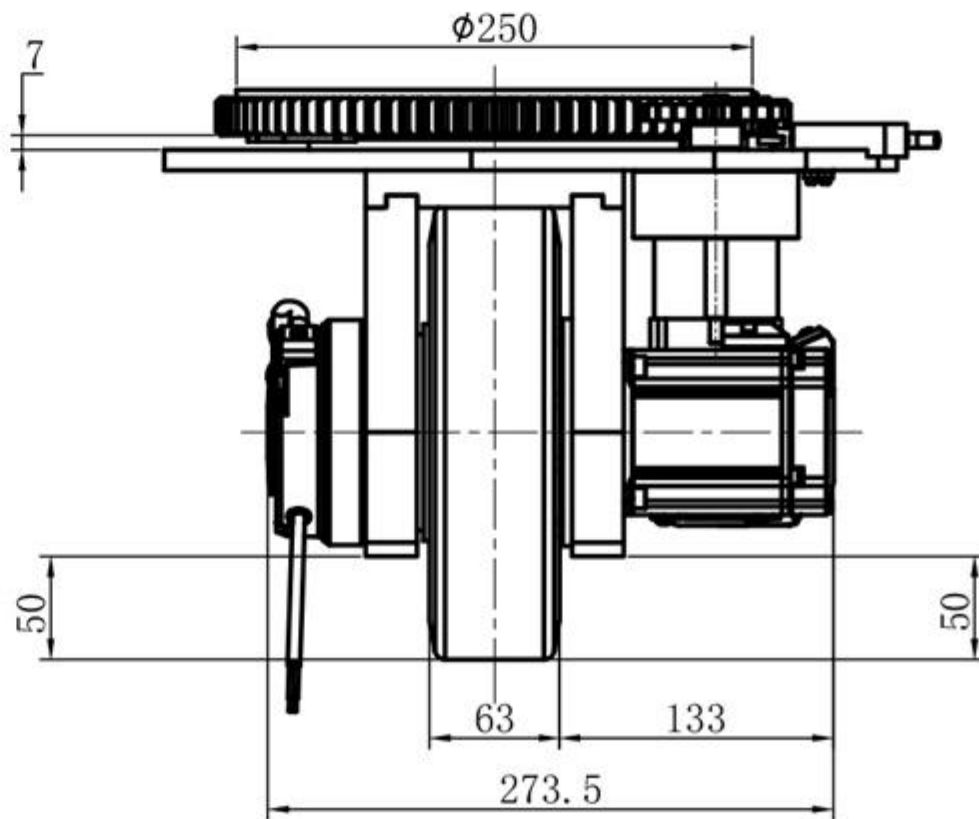
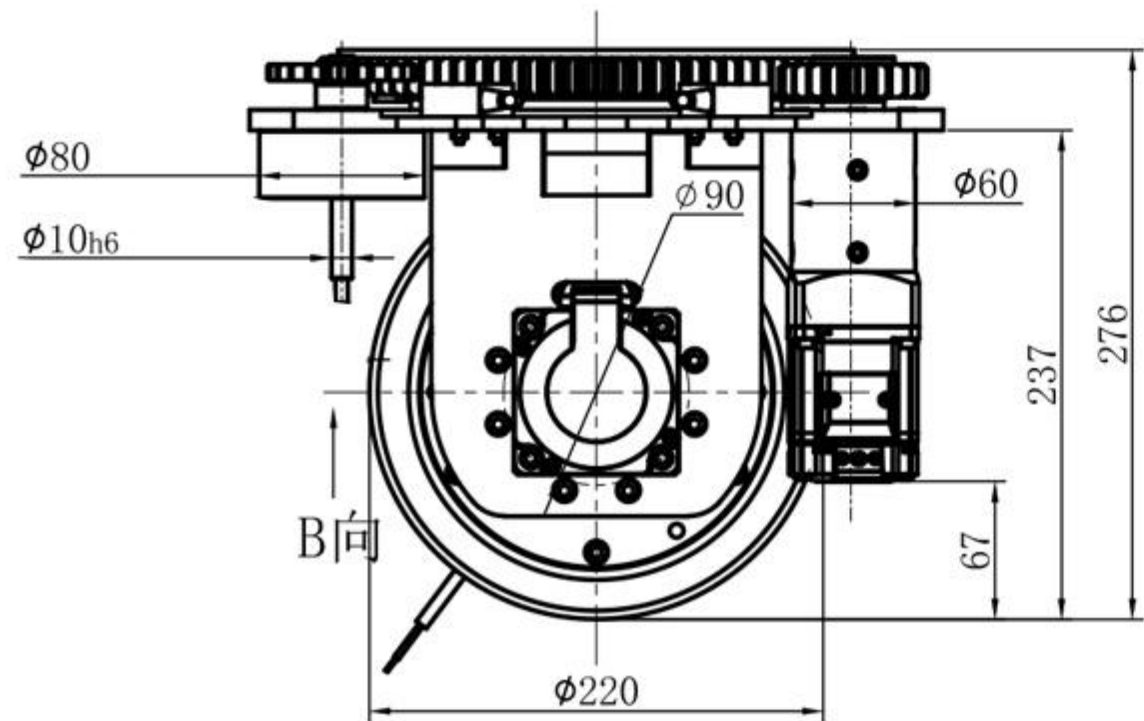
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	750/1000
电压 Voltage(V)	48
电流 Current(A)	23-46
转速 Speed(rpm)	3000
减速比 Ratio(i)	32/40
承载 Load capacity(kg)	1000
IP等级 IP grade	65

PLT-220P 舵轮 (Drive wheel)



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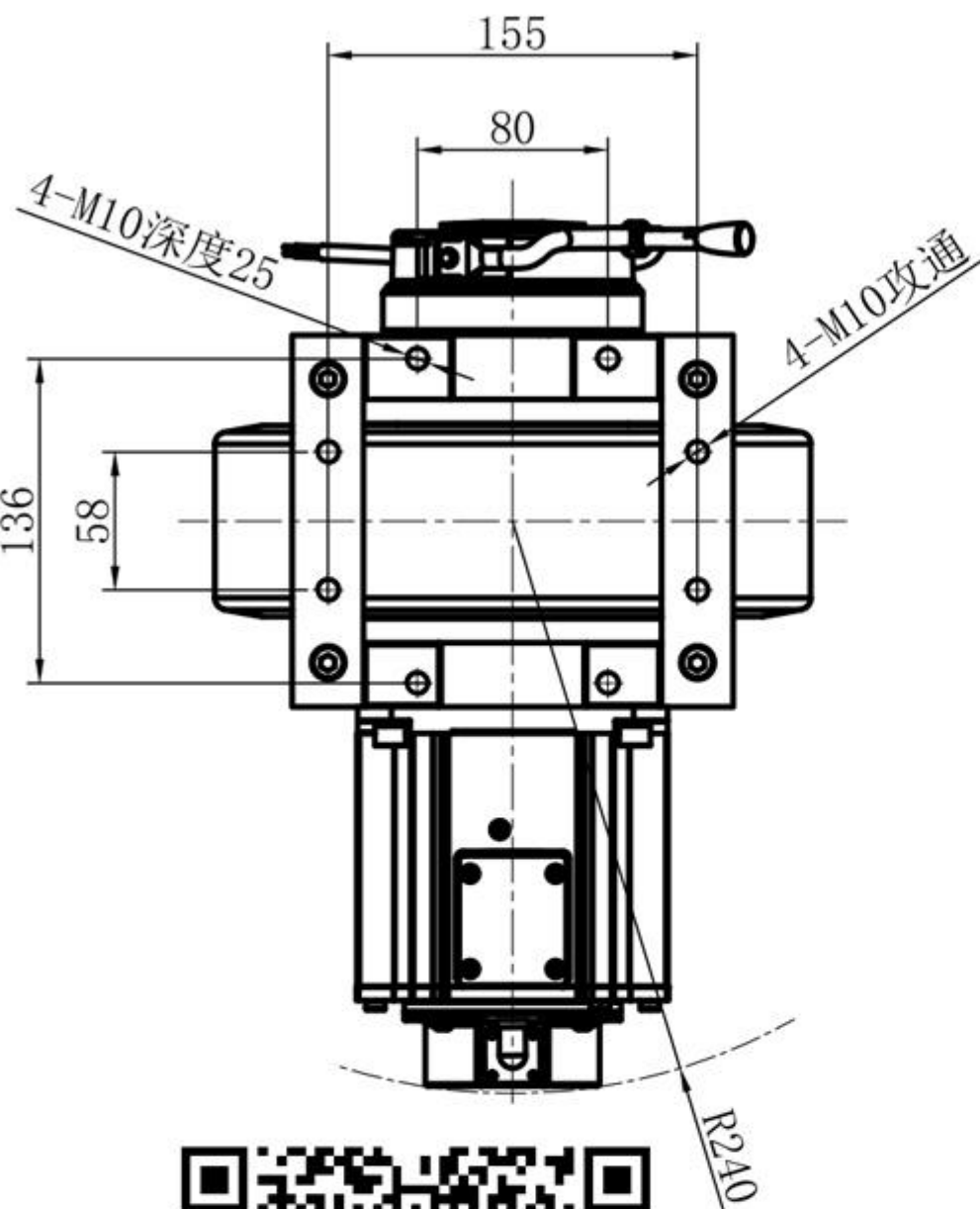
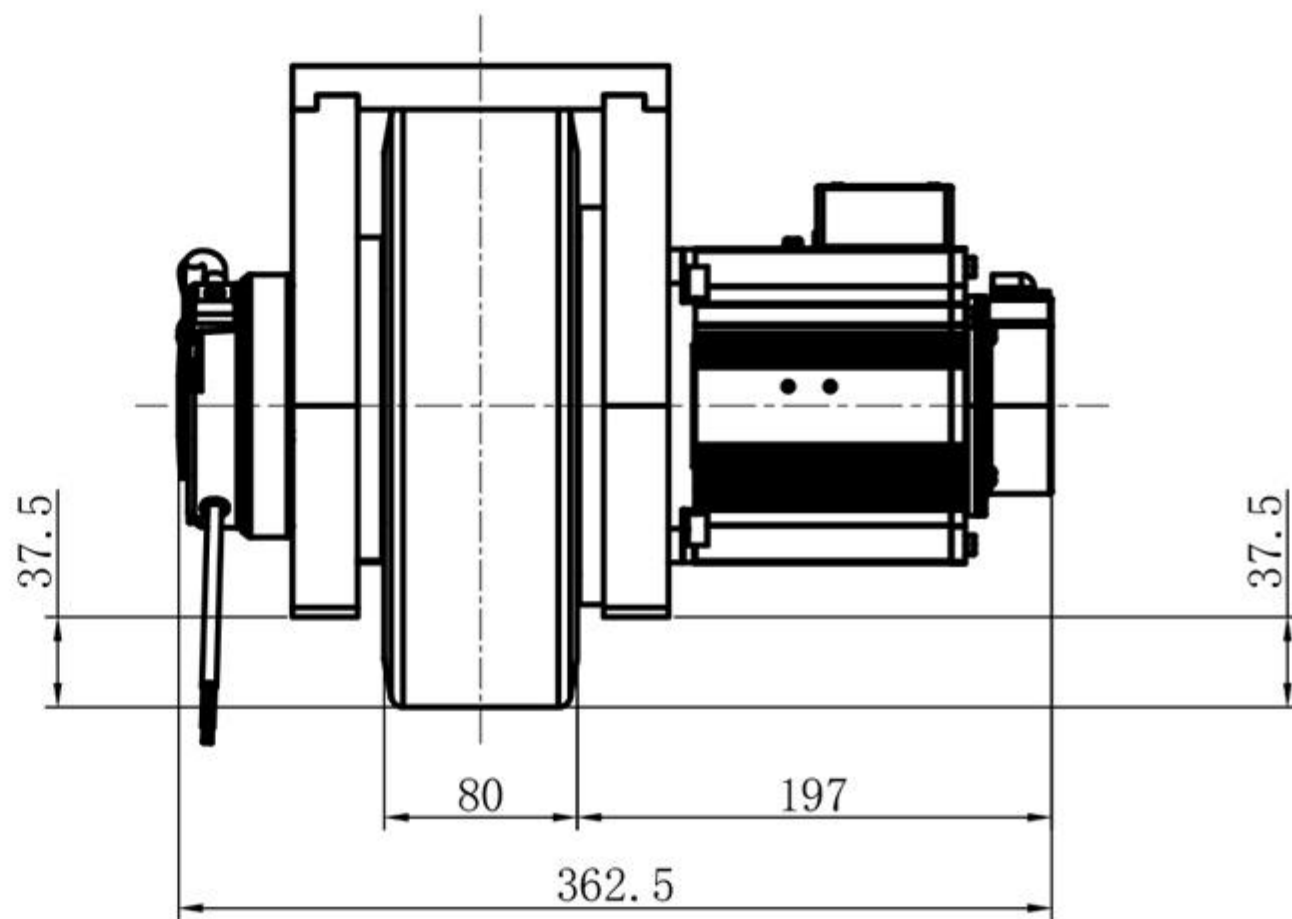
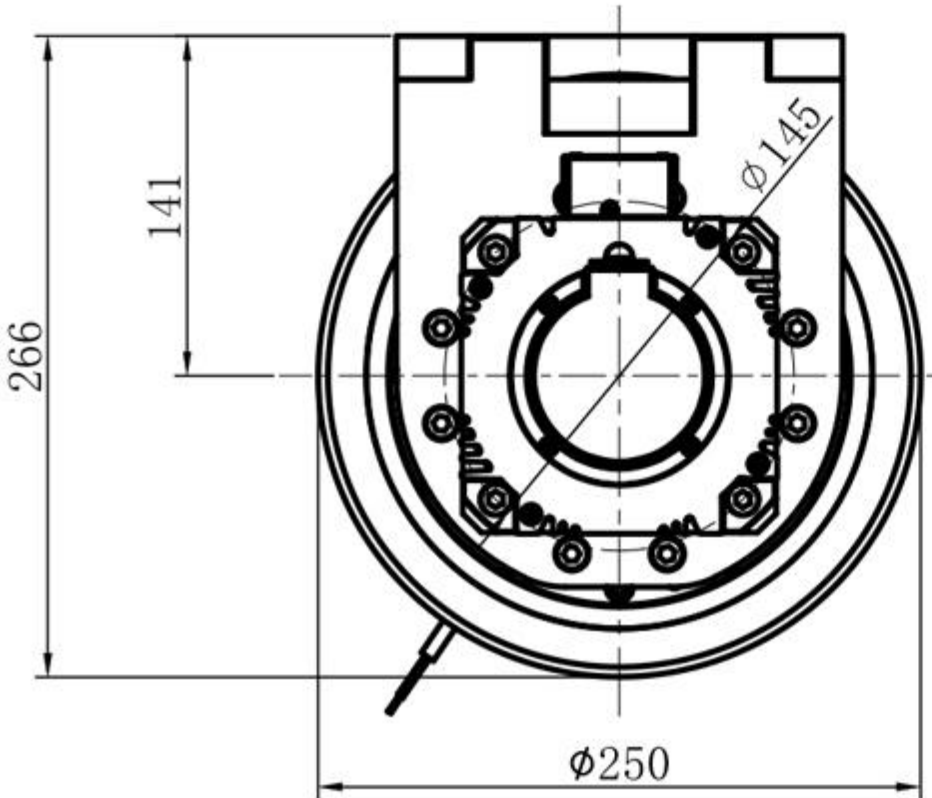
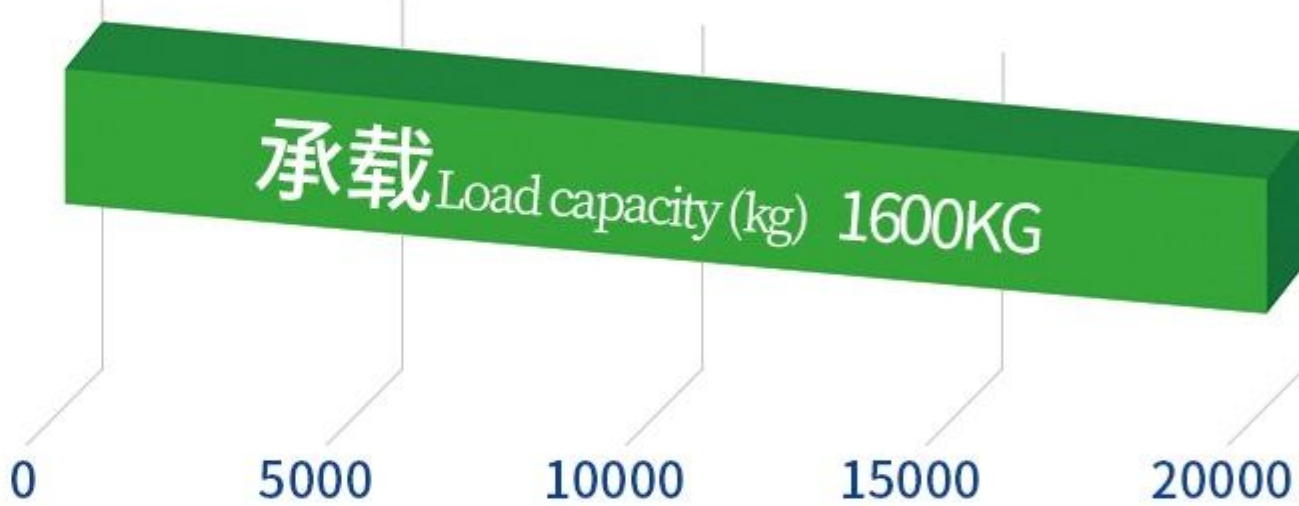
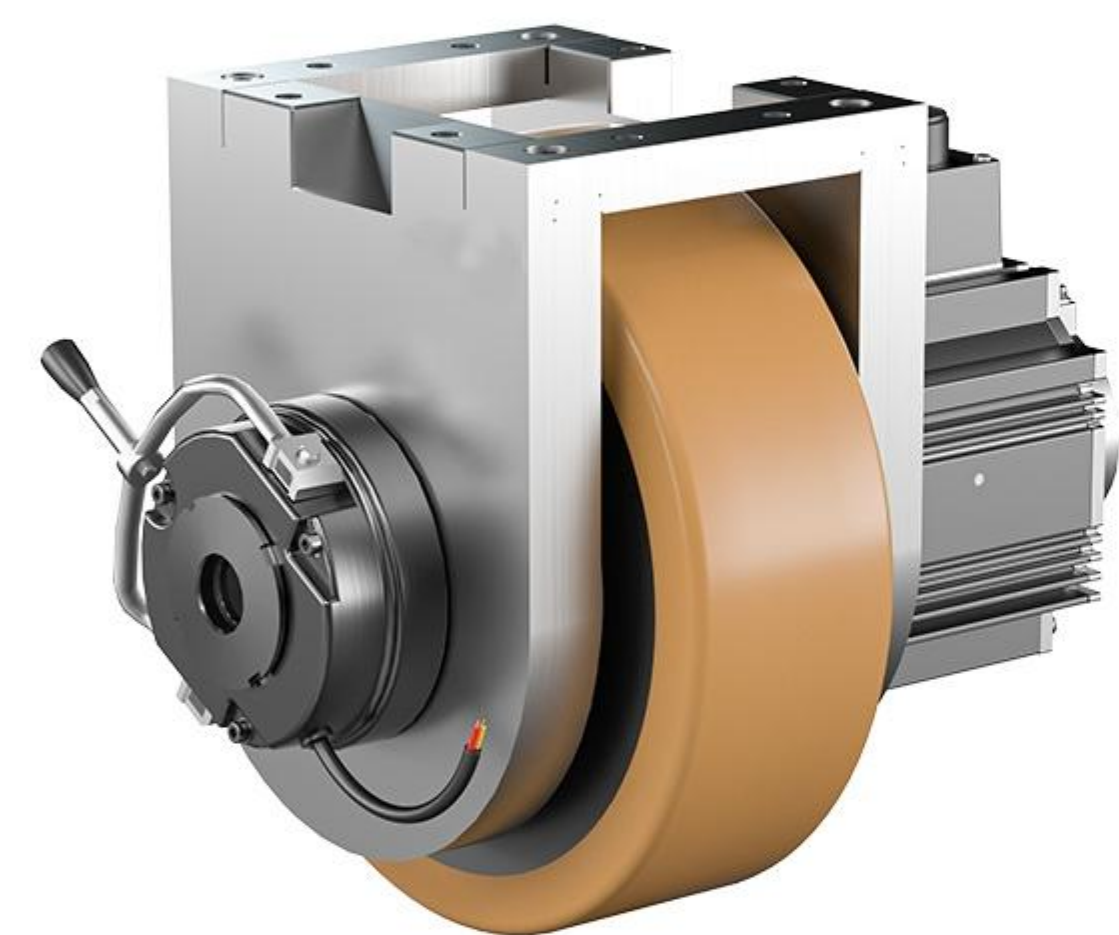


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

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

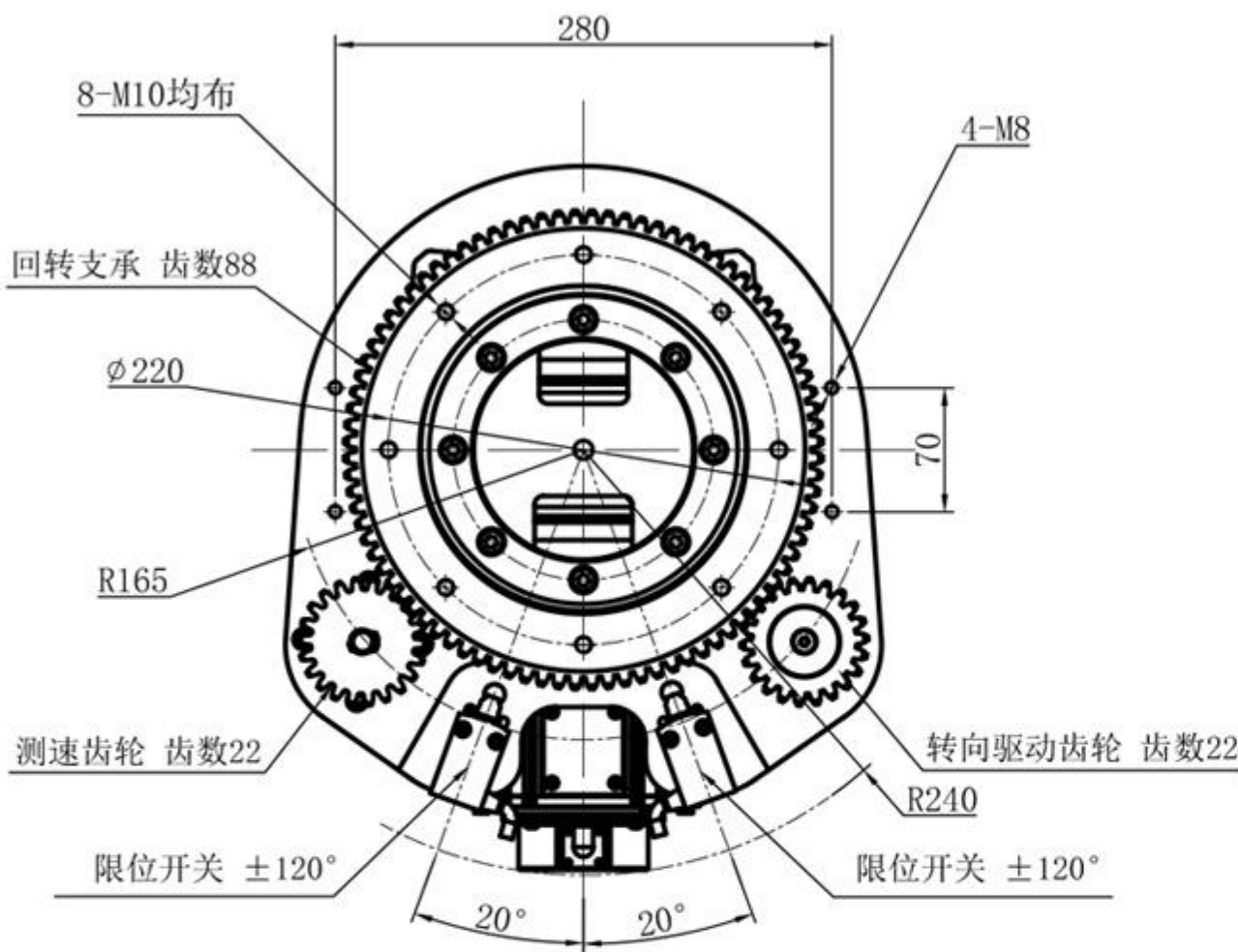
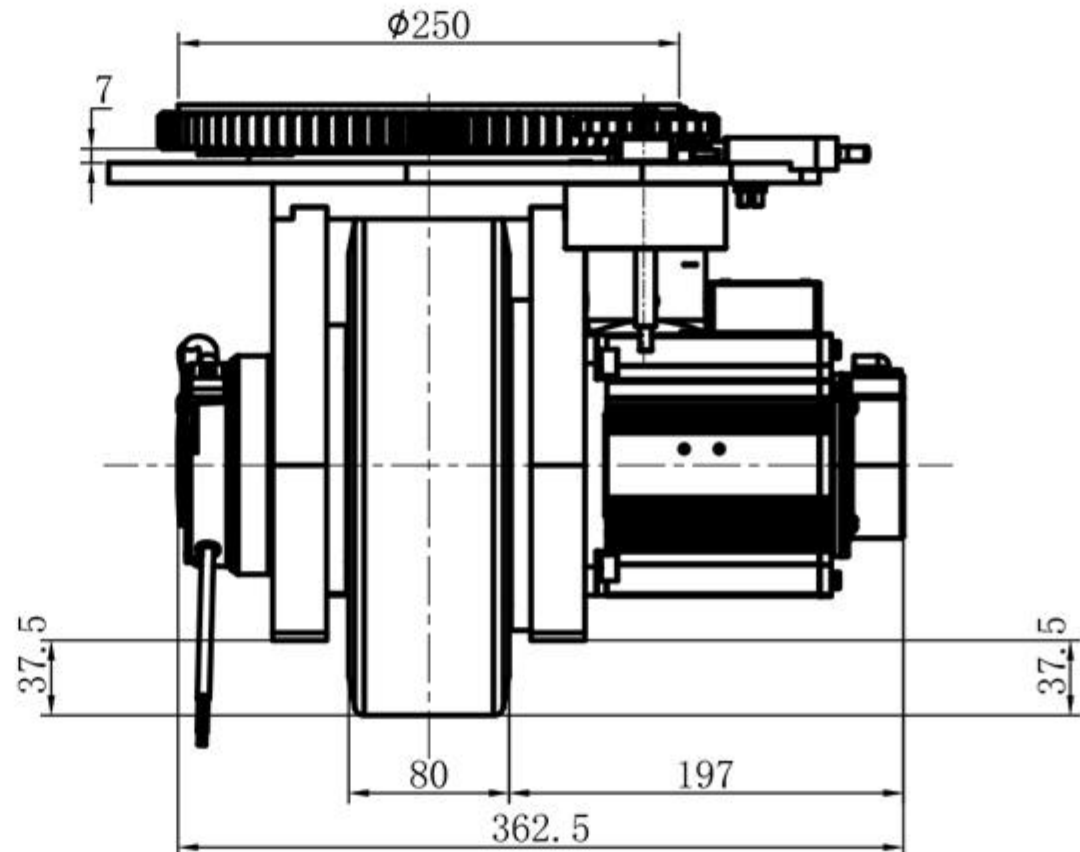
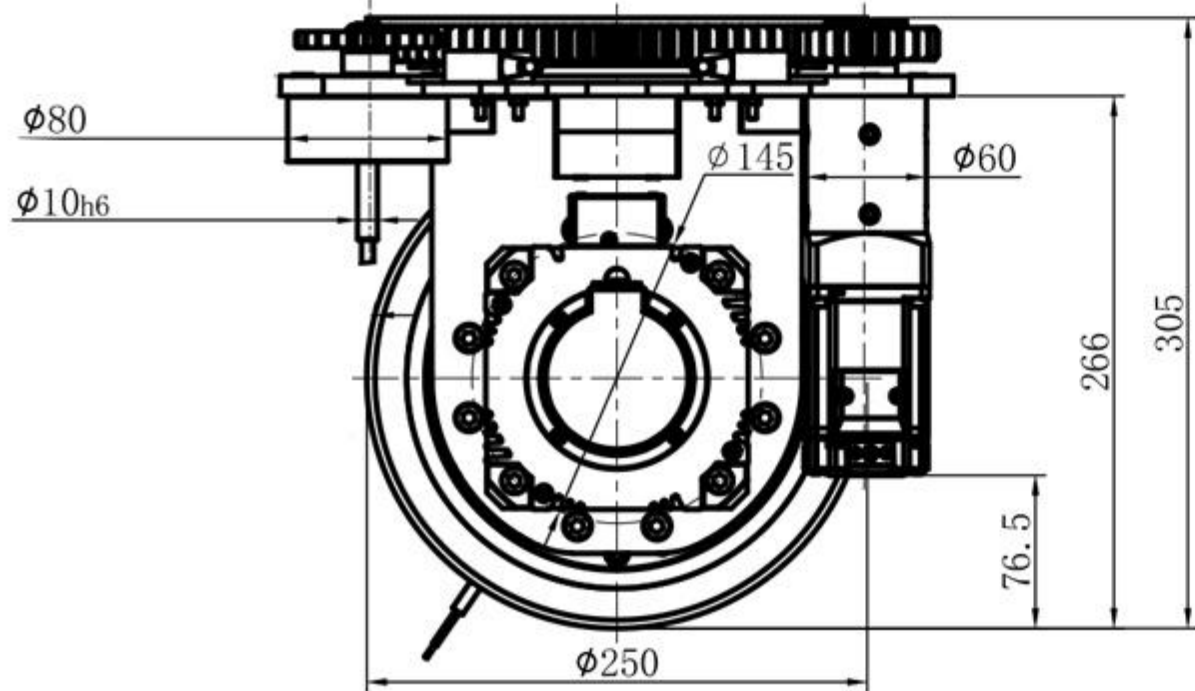


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PLT-250P 舵轮 (Drive wheel)



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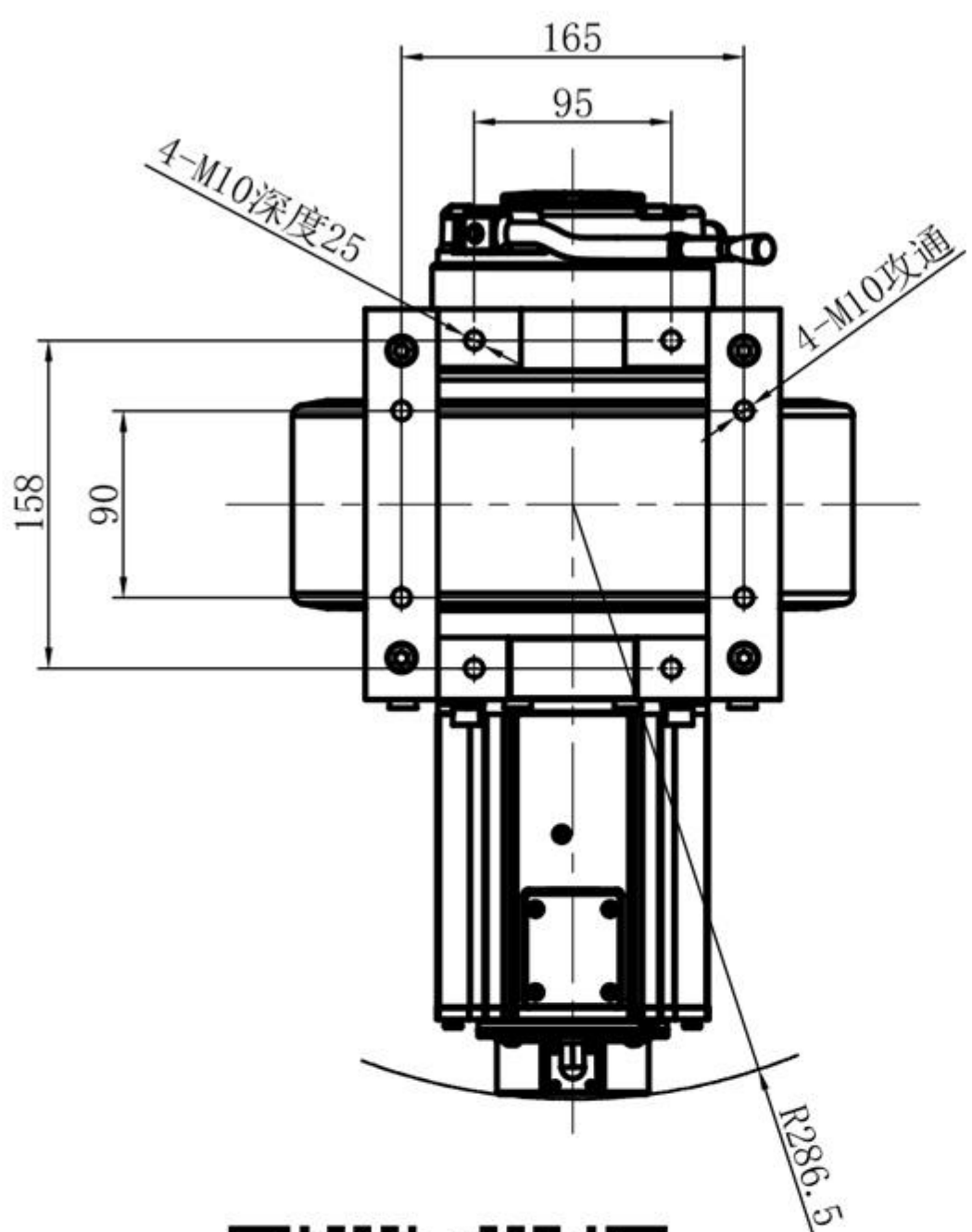
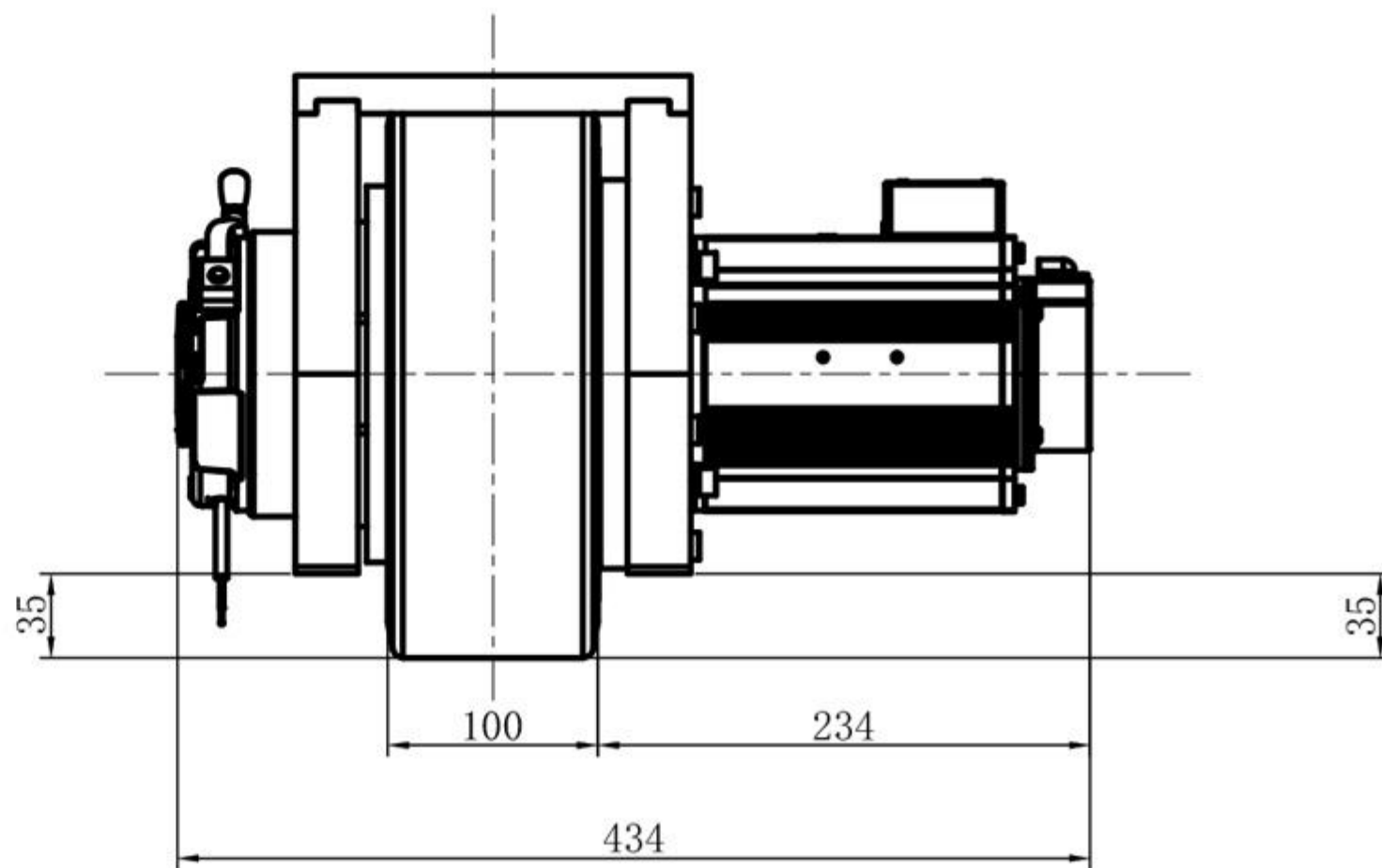
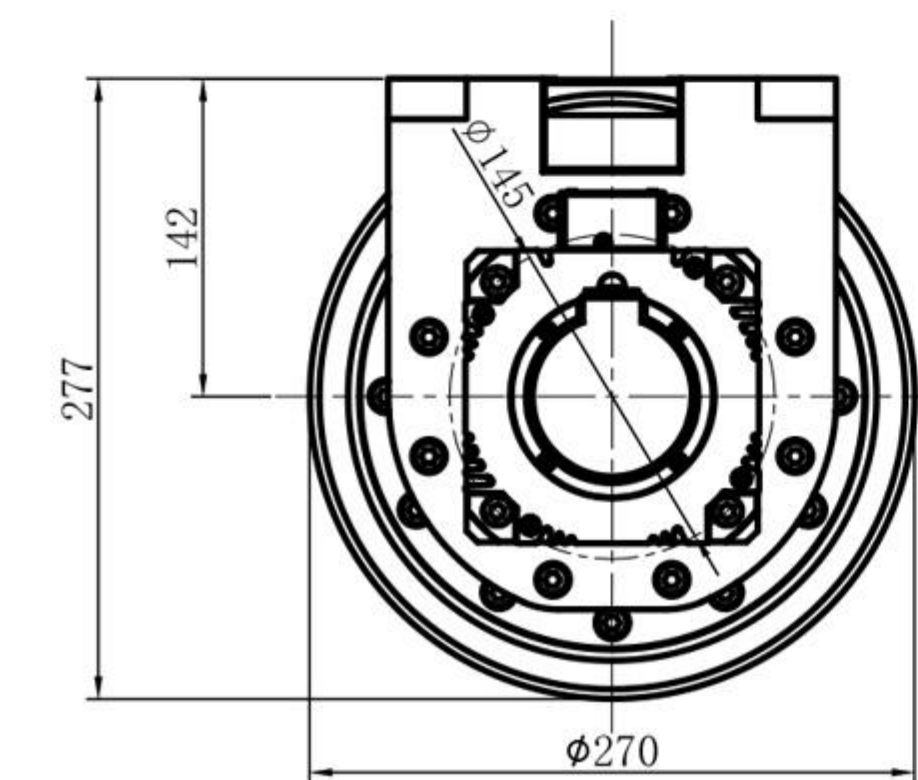
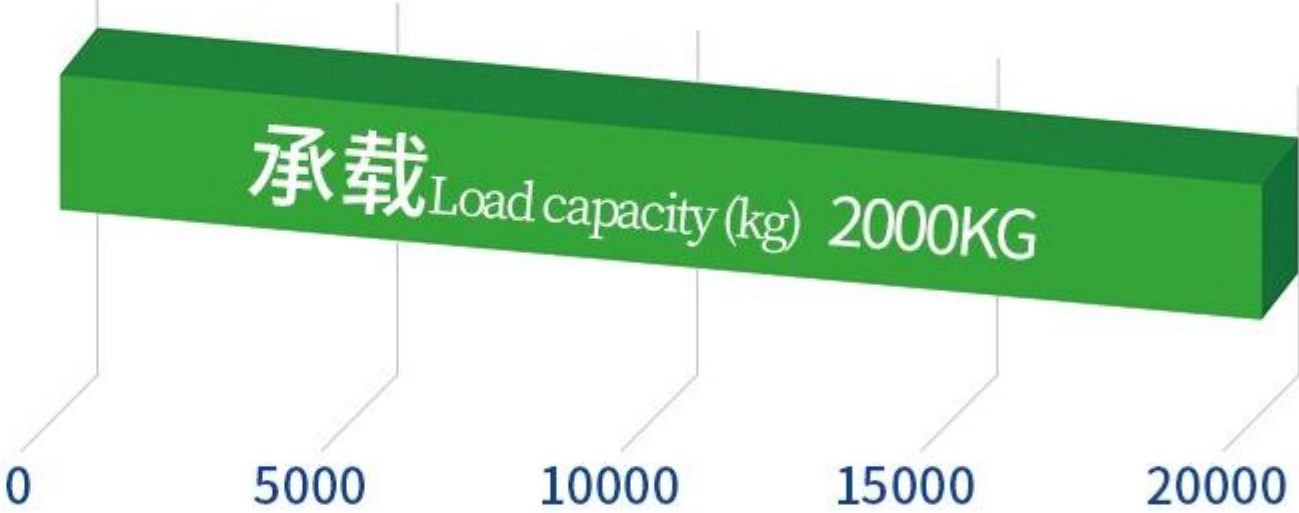
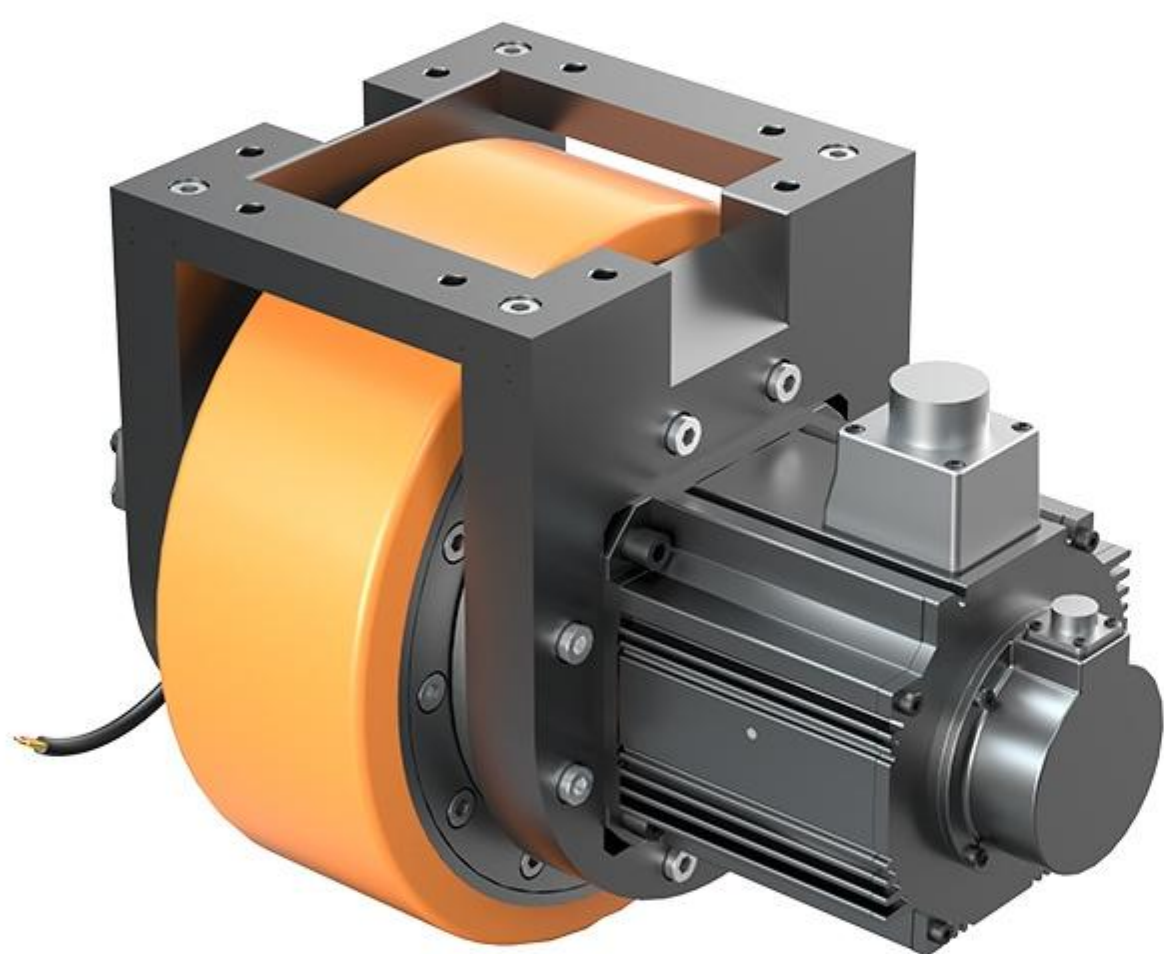


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

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-270P 行走轮 (Traction system)

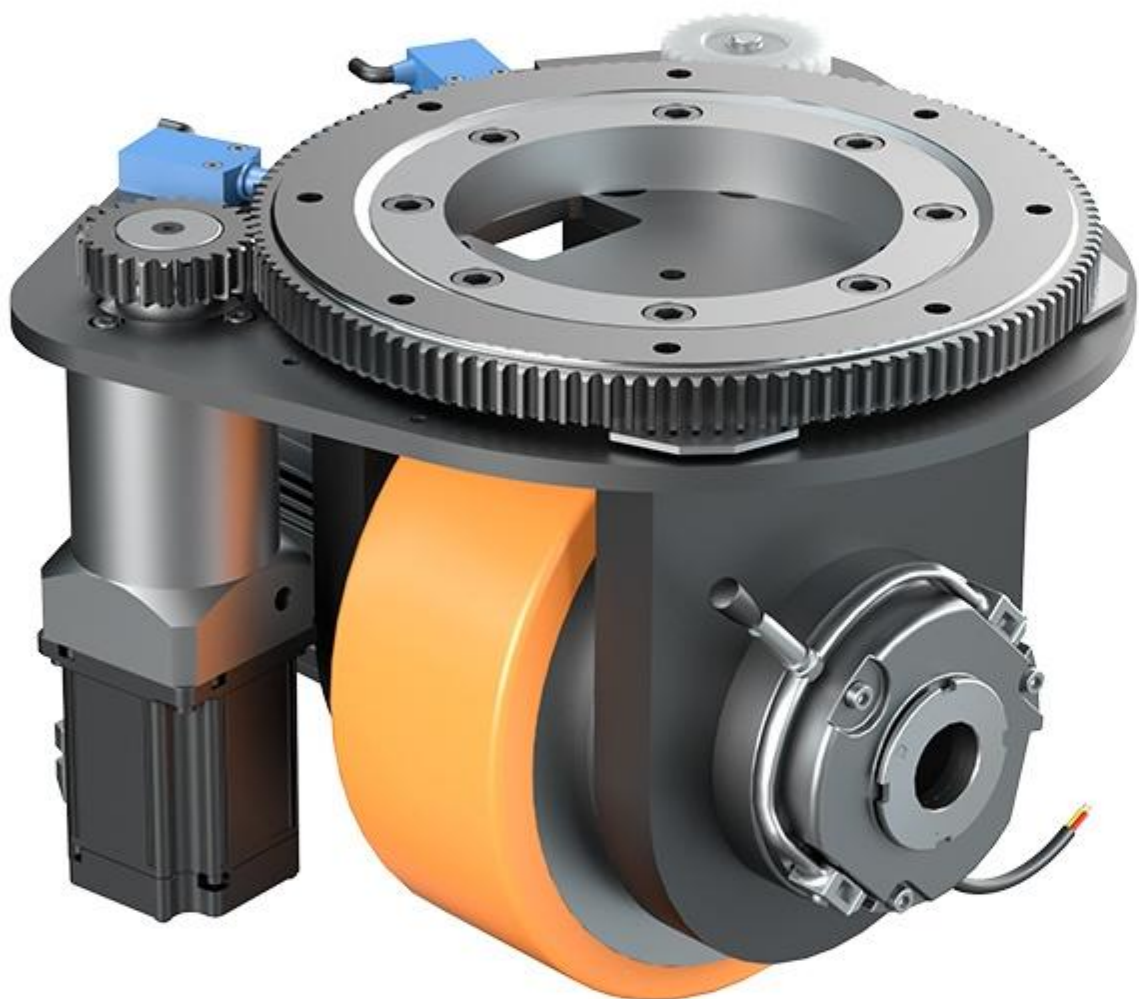


行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	2500
电压 Voltage(V)	48
电流Current(A)	55
转速Speed(rpm)	3000
减速比Ratio(i)	28/40
承载Load capacity(kg)	2000
IP等级IP grade	65

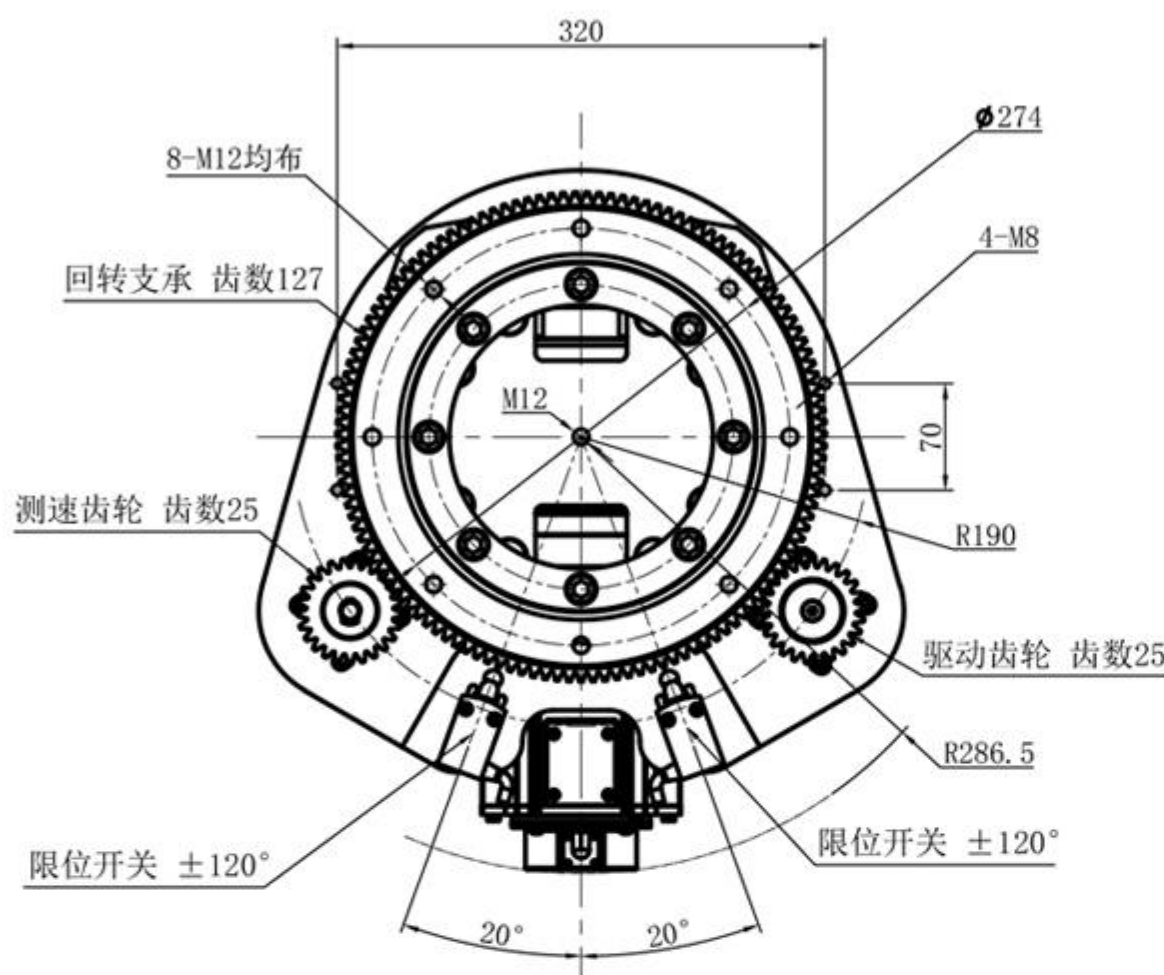
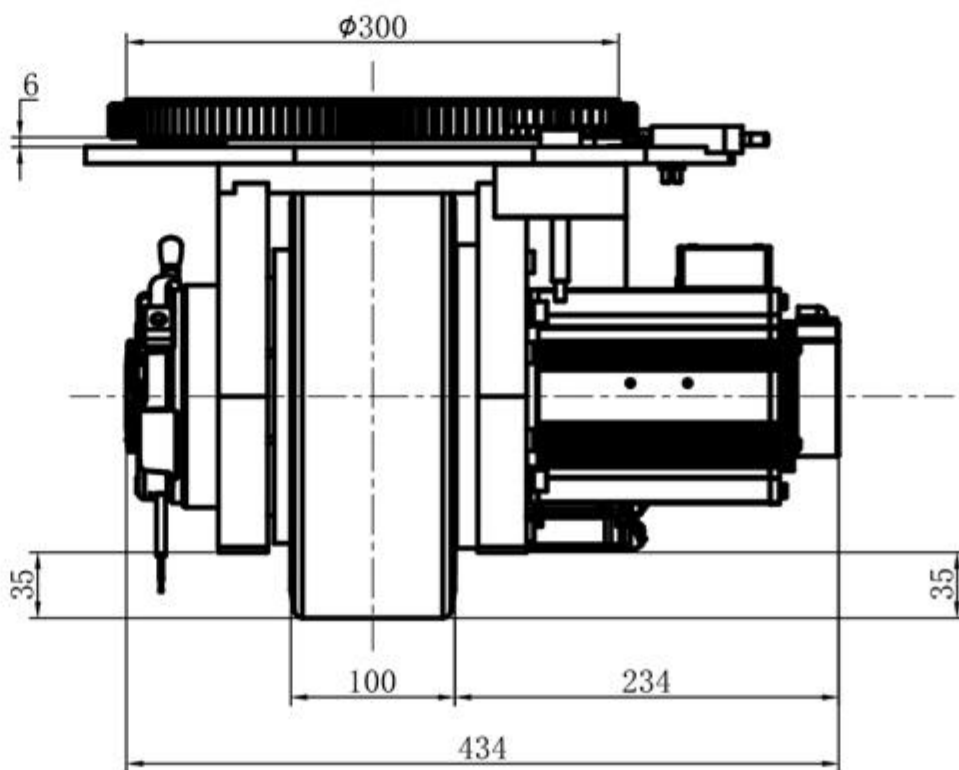
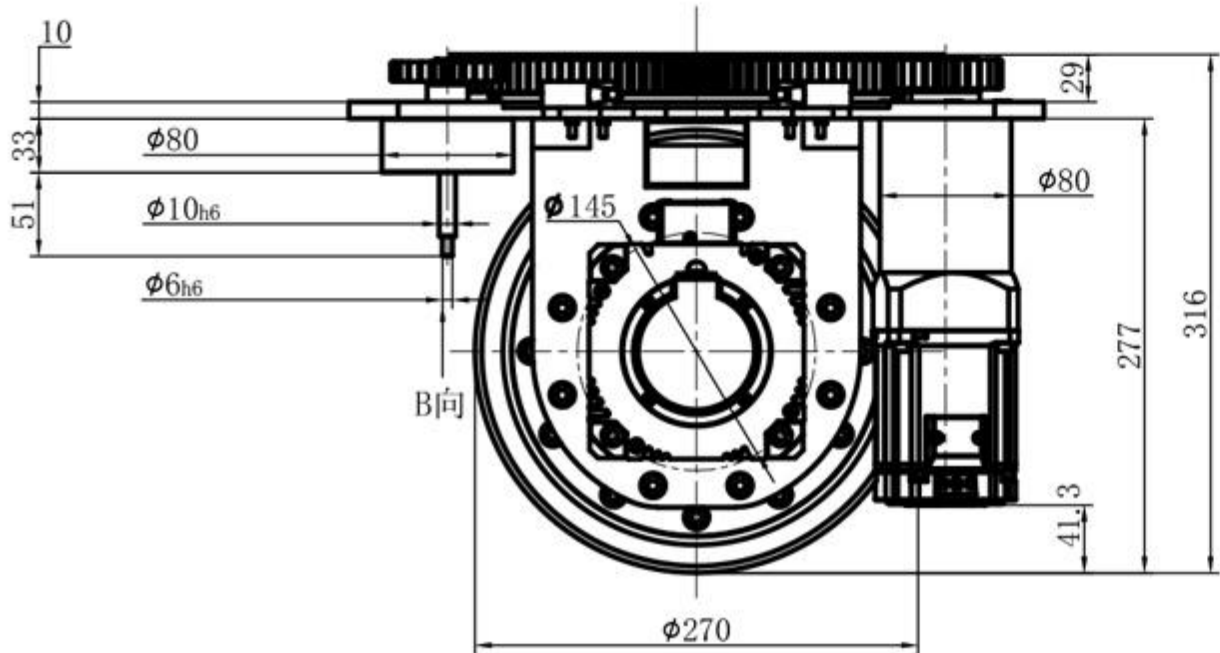


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PLT-270P 舵轮 (Drive wheel)



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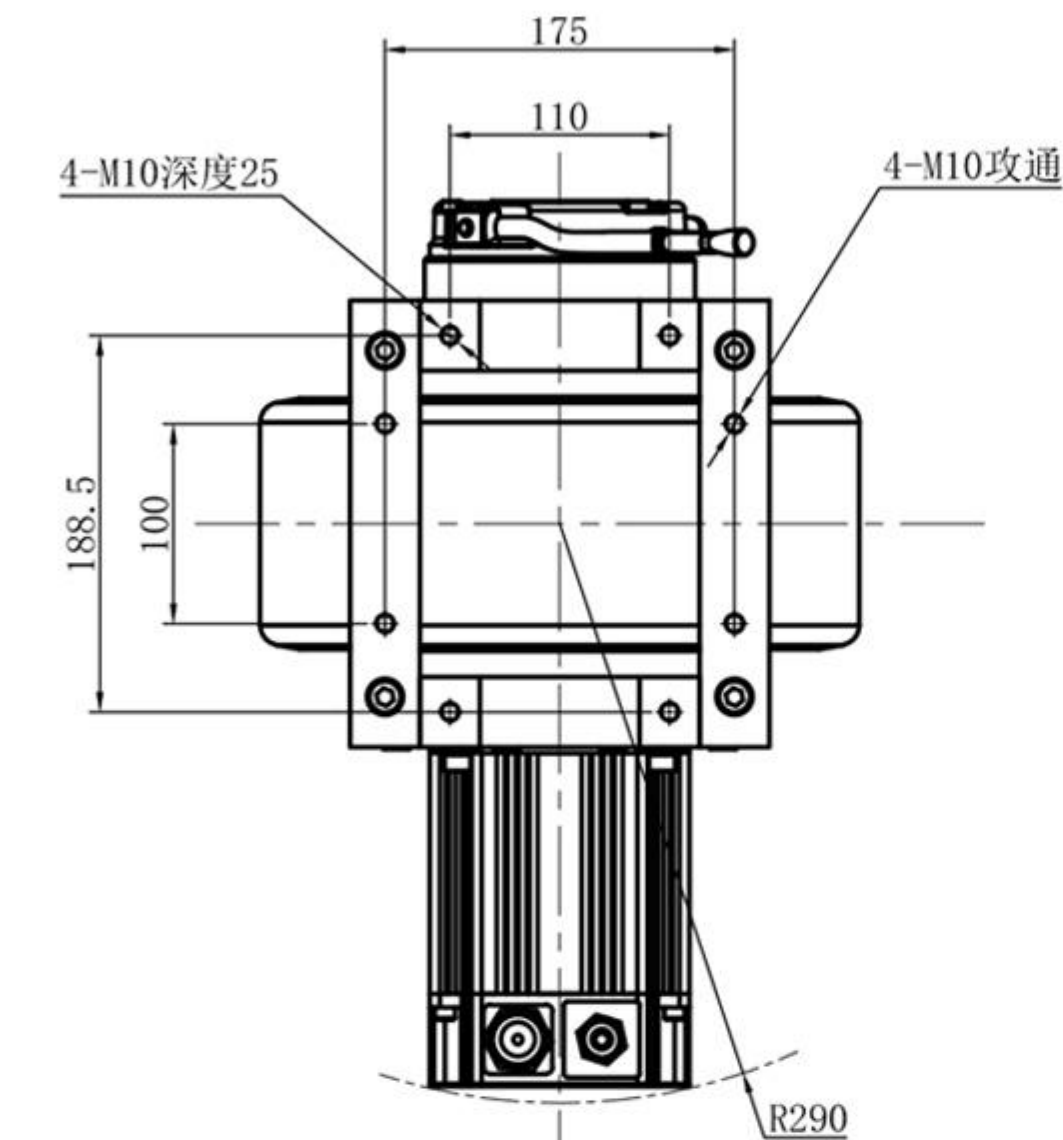
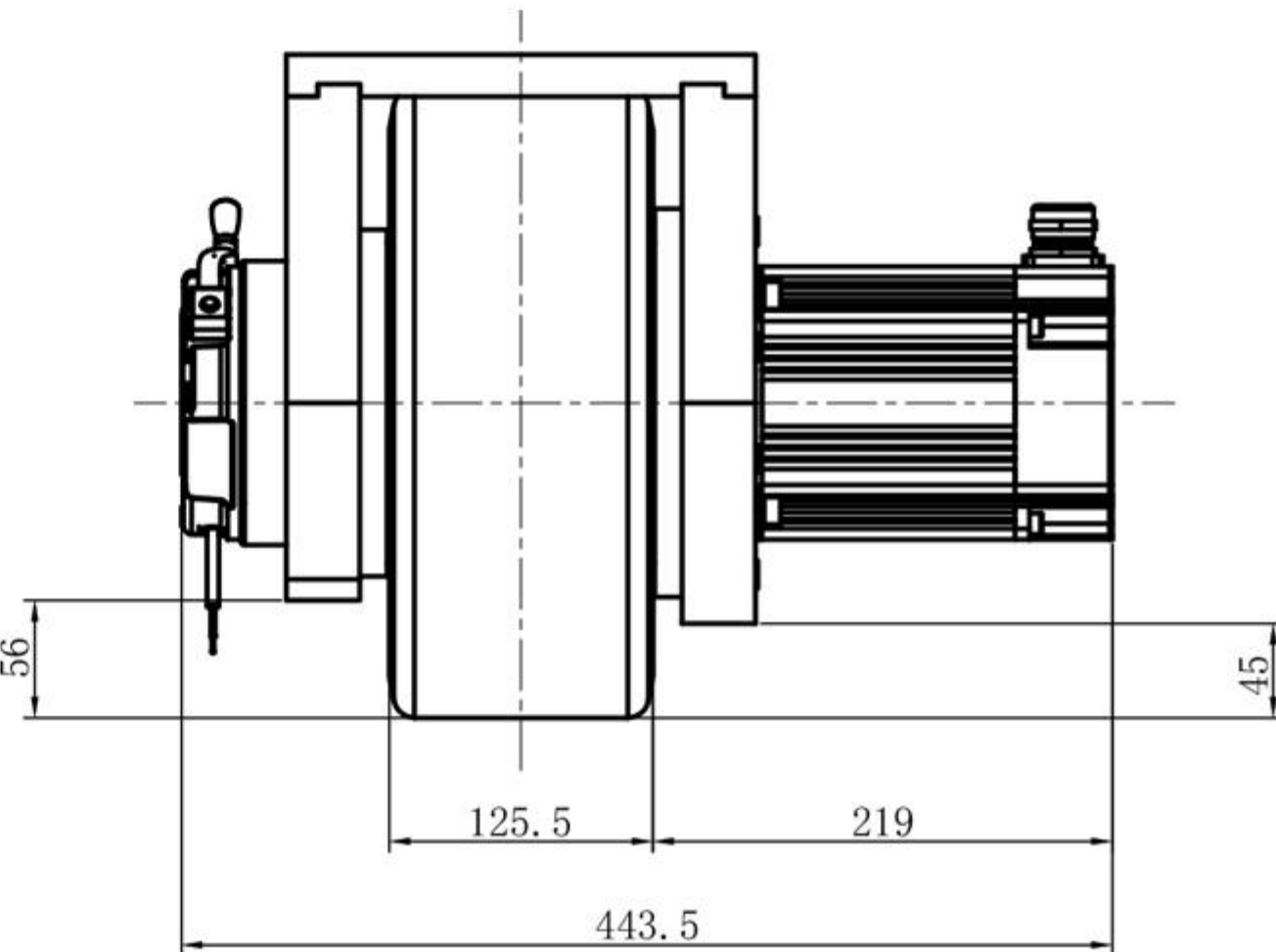
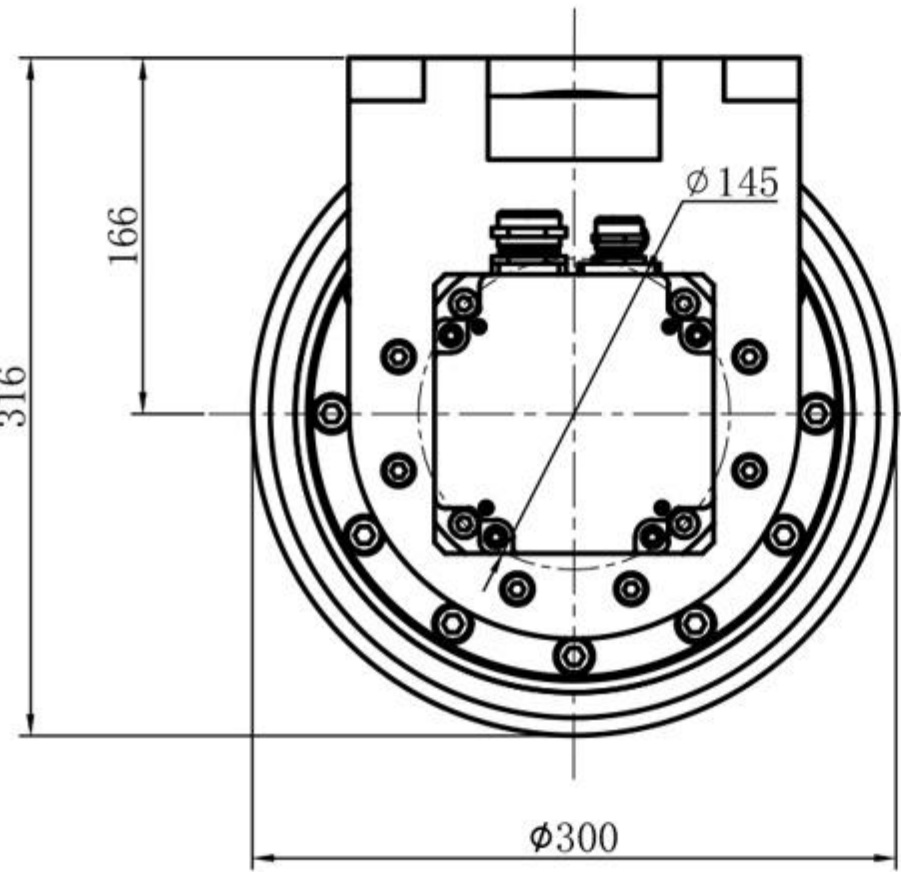
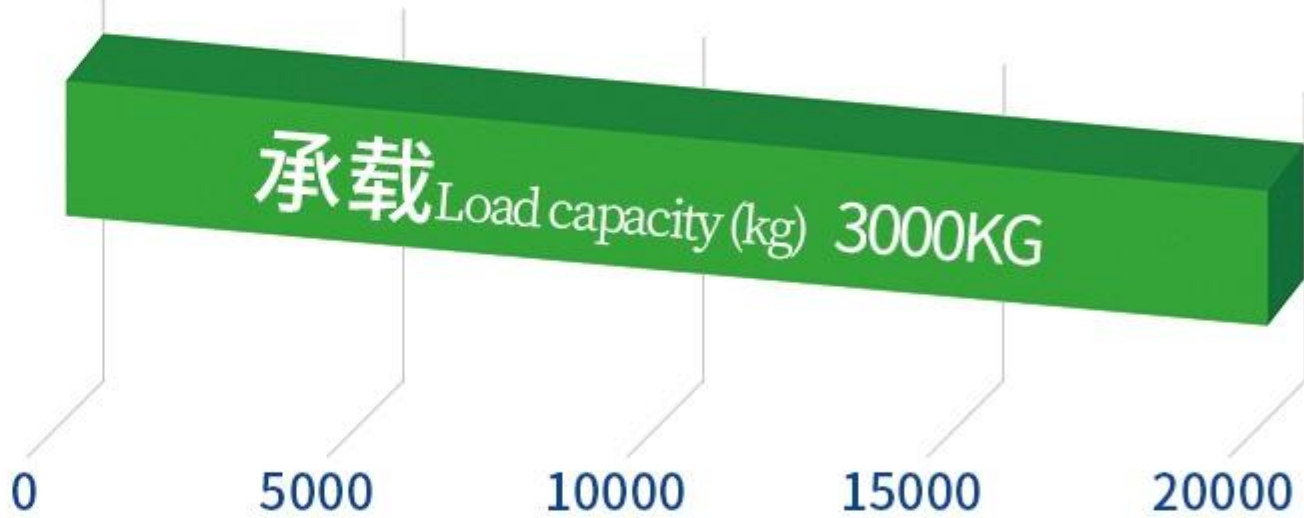
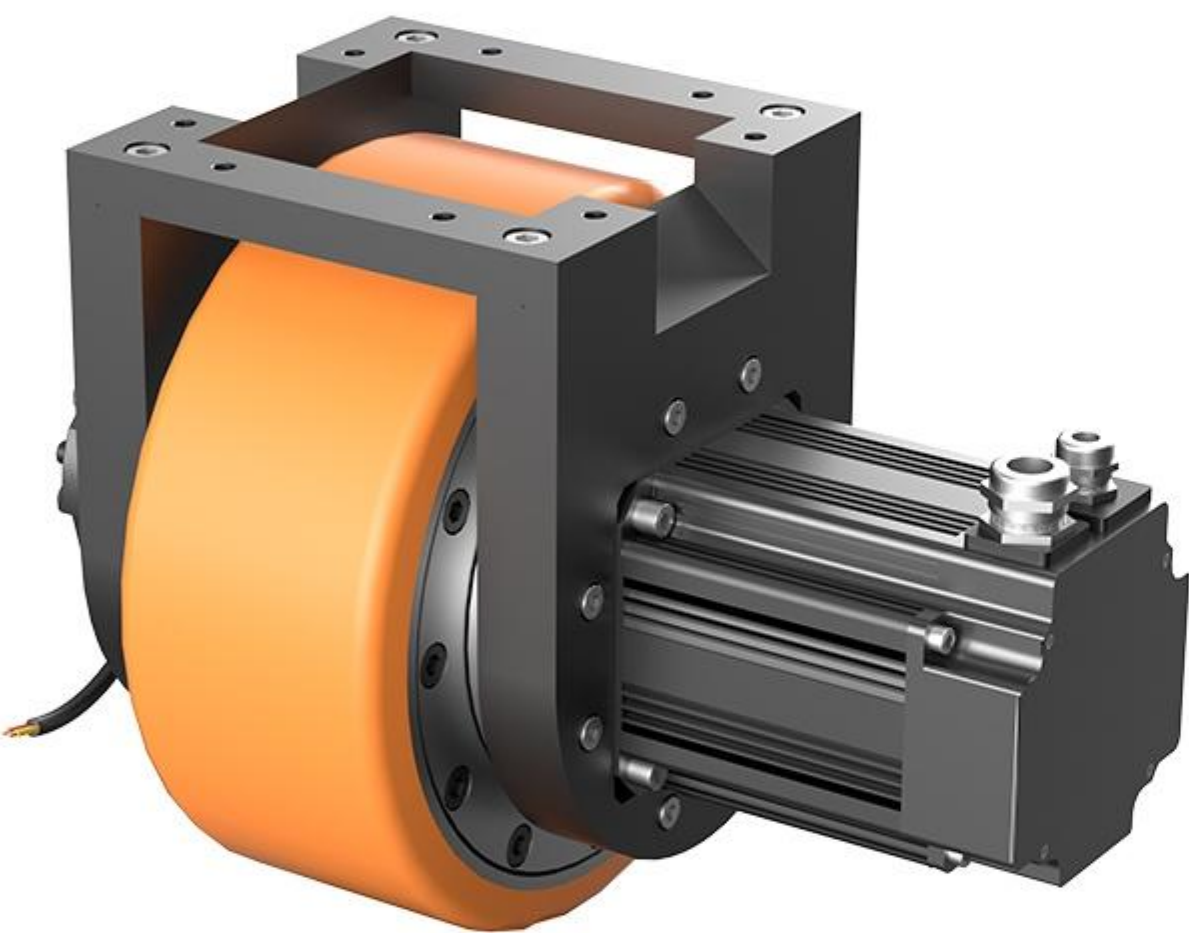


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流Current(A)	19
转速Speed(rpm)	3000
减速比Ratio(i)	50
IP等级IP grade	65

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)



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

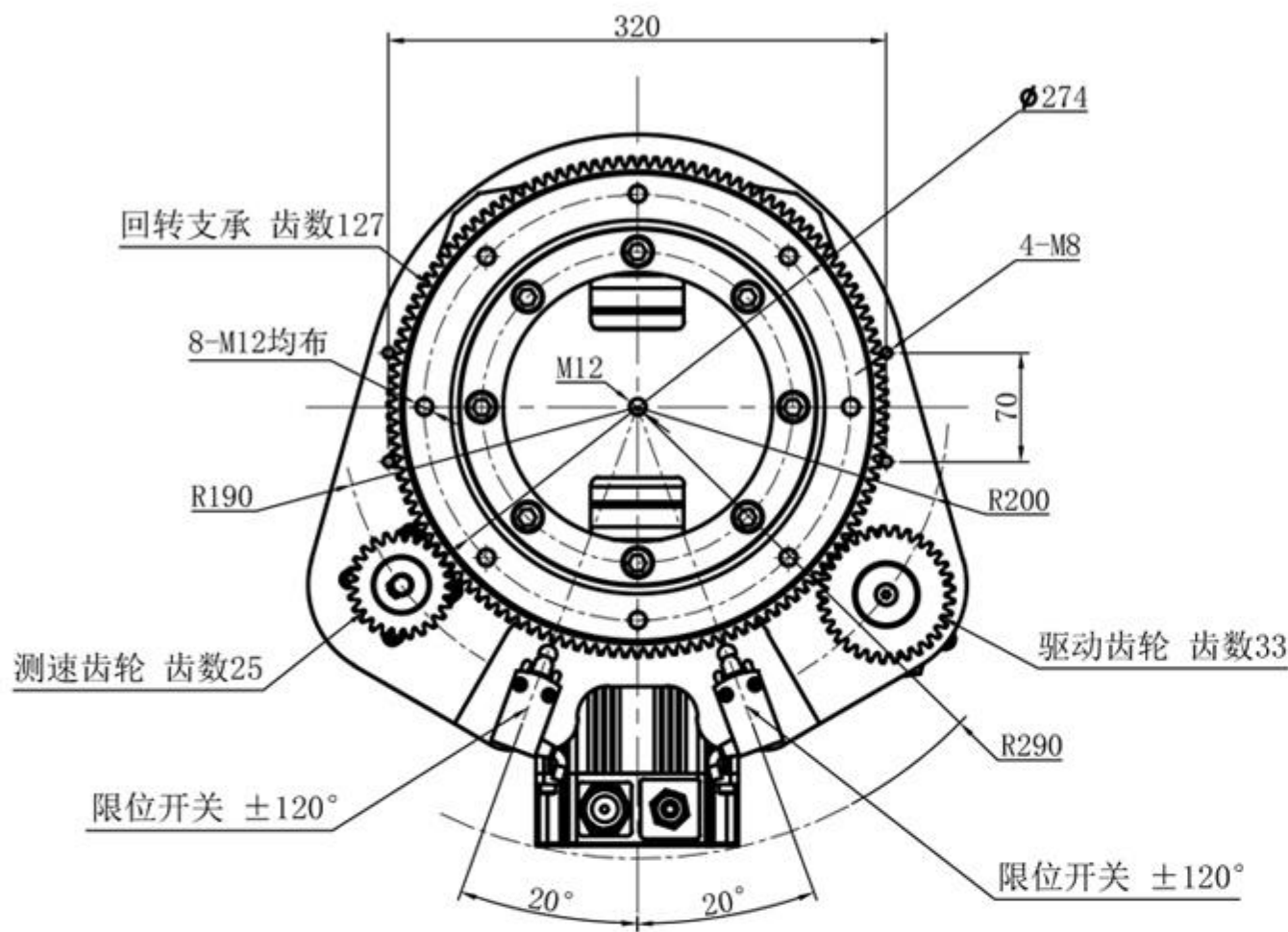
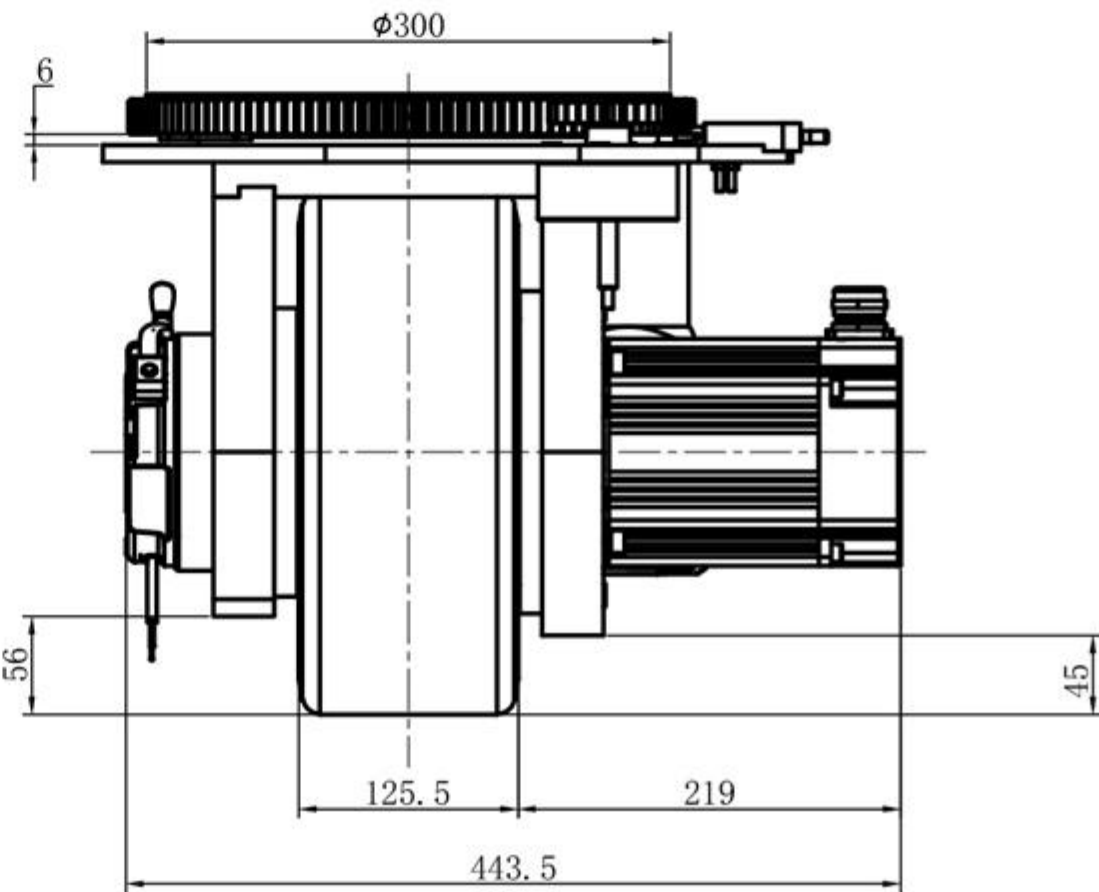
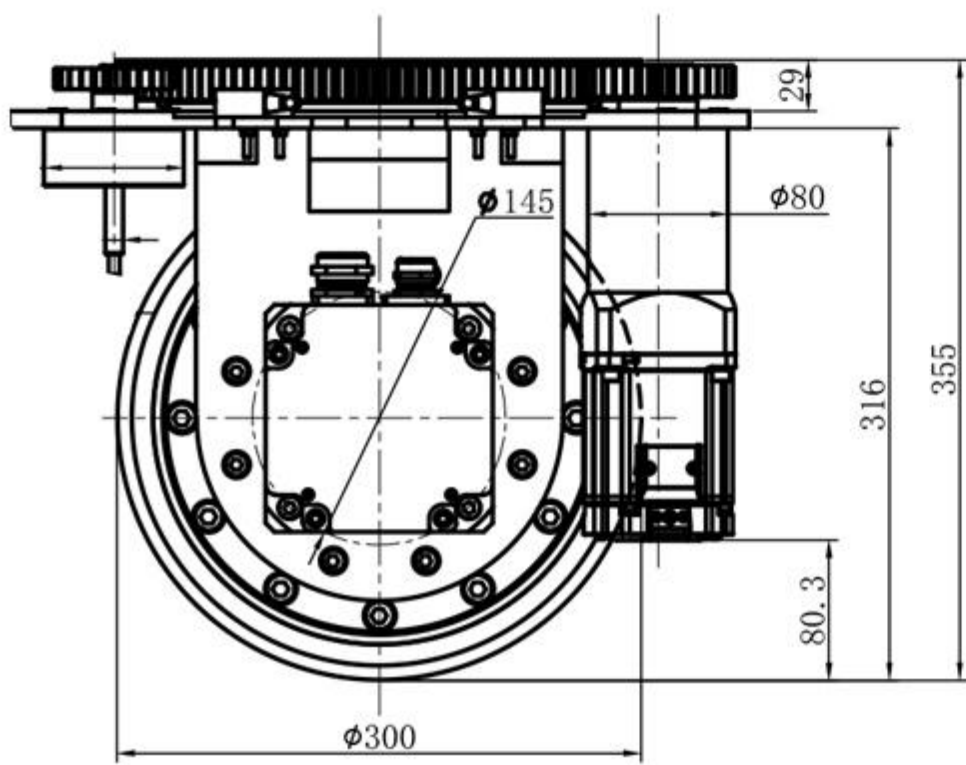


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PLT-300P 舵轮 (Drive wheel)



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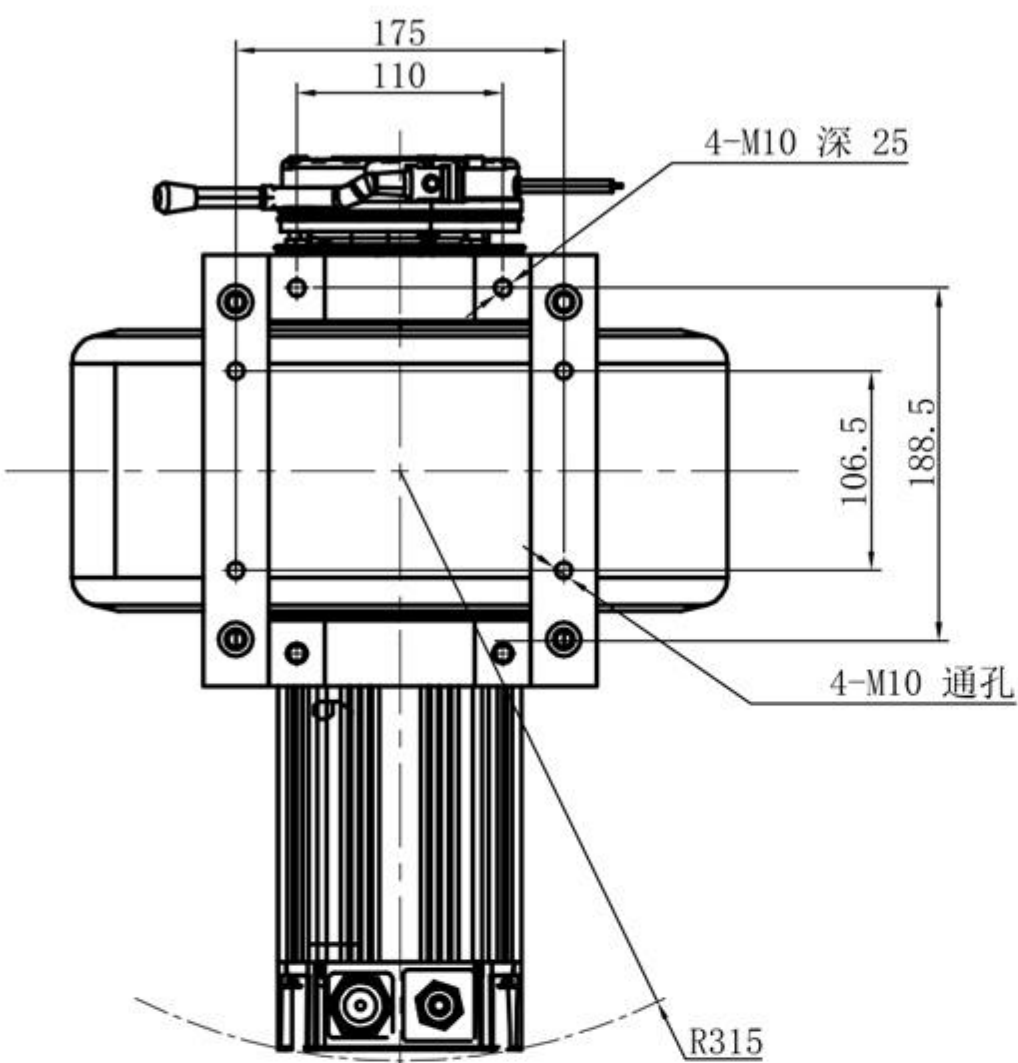
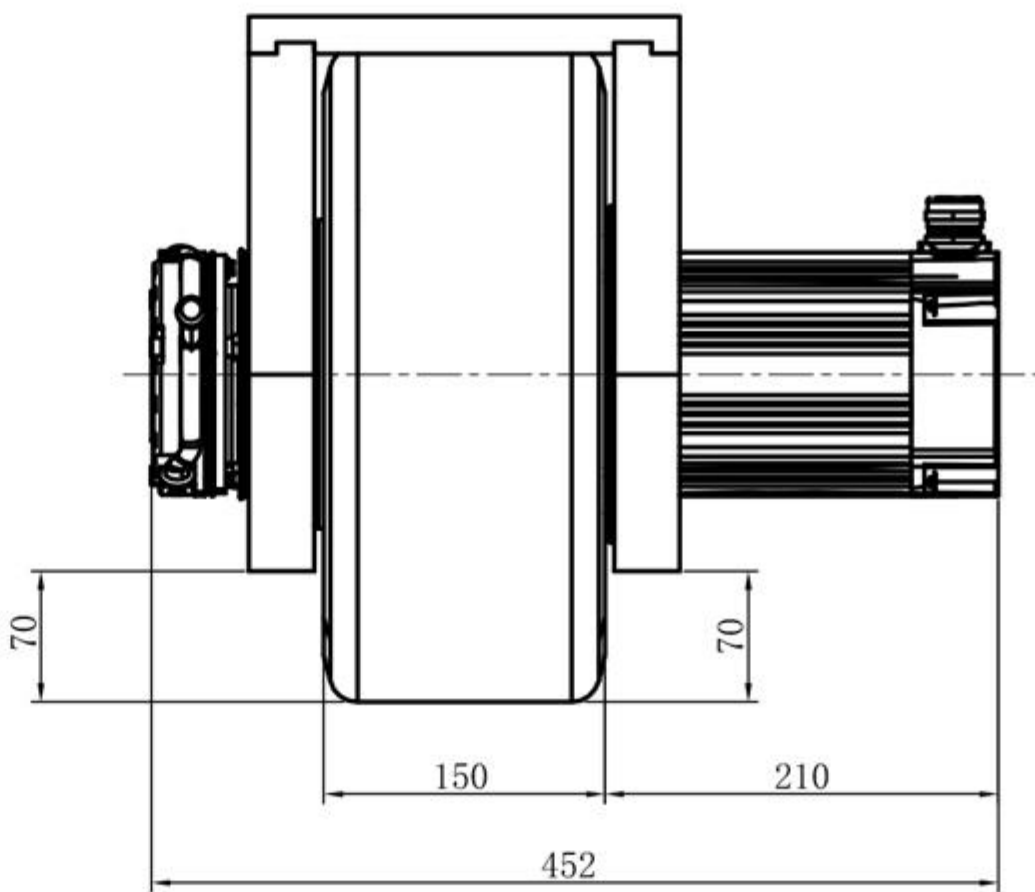
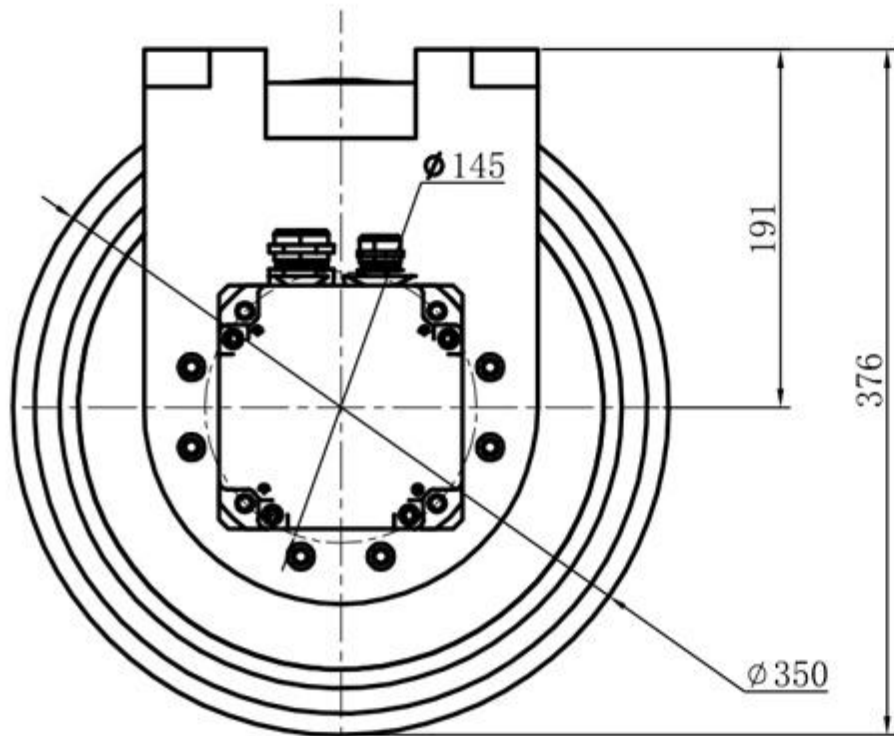
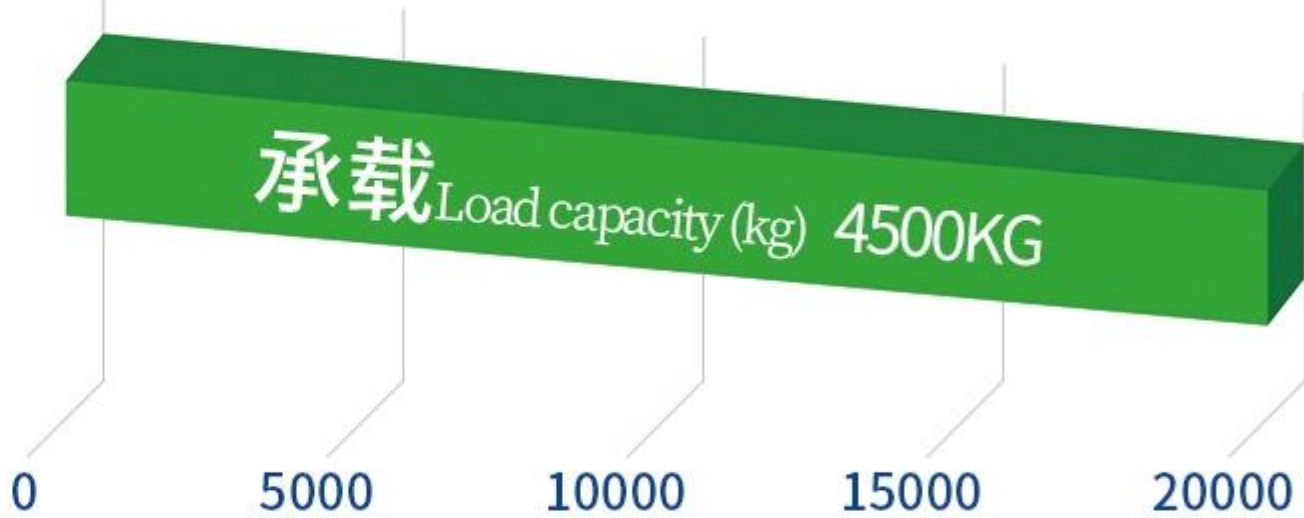
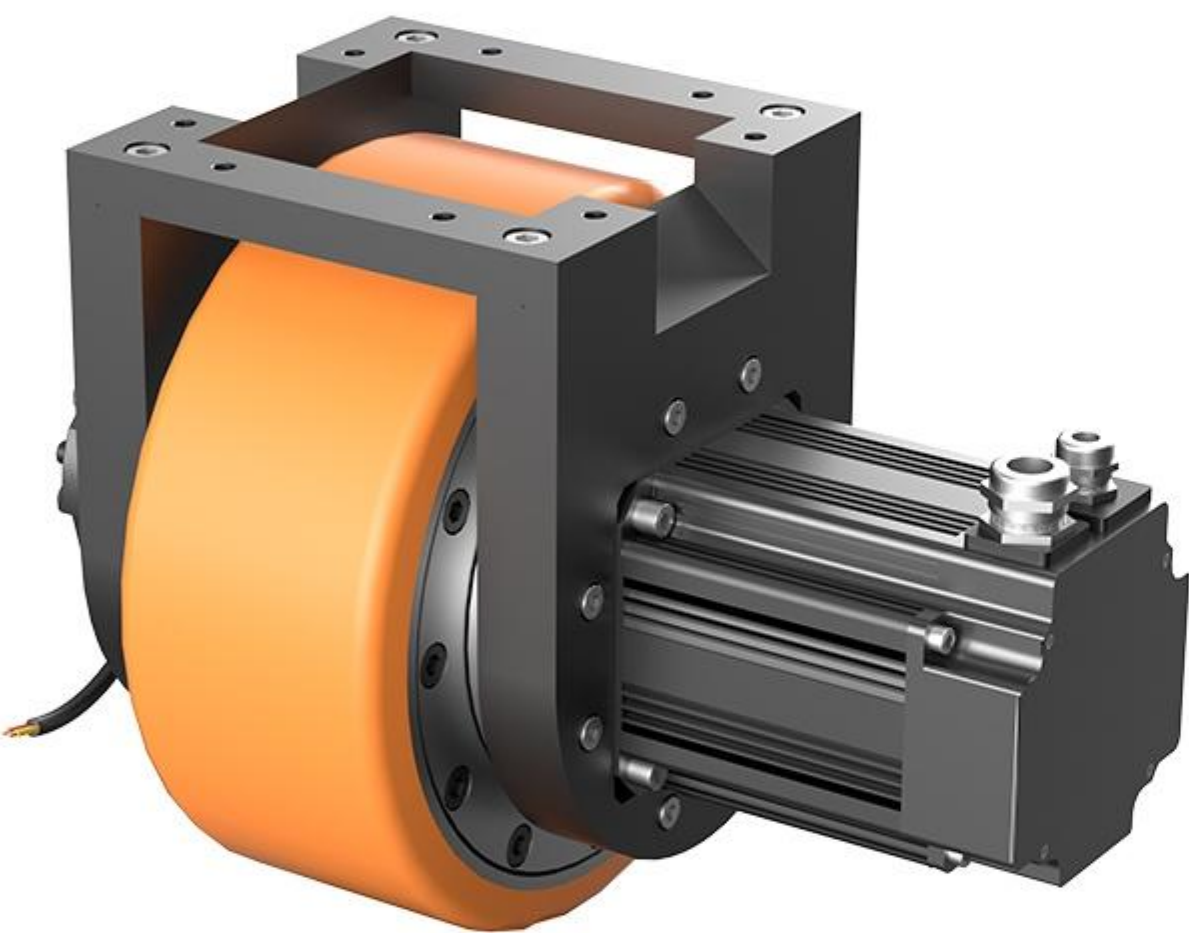


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	700
电压 Voltage(V)	48
电流 Current(A)	19
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

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-350P 行走轮 (Traction system)



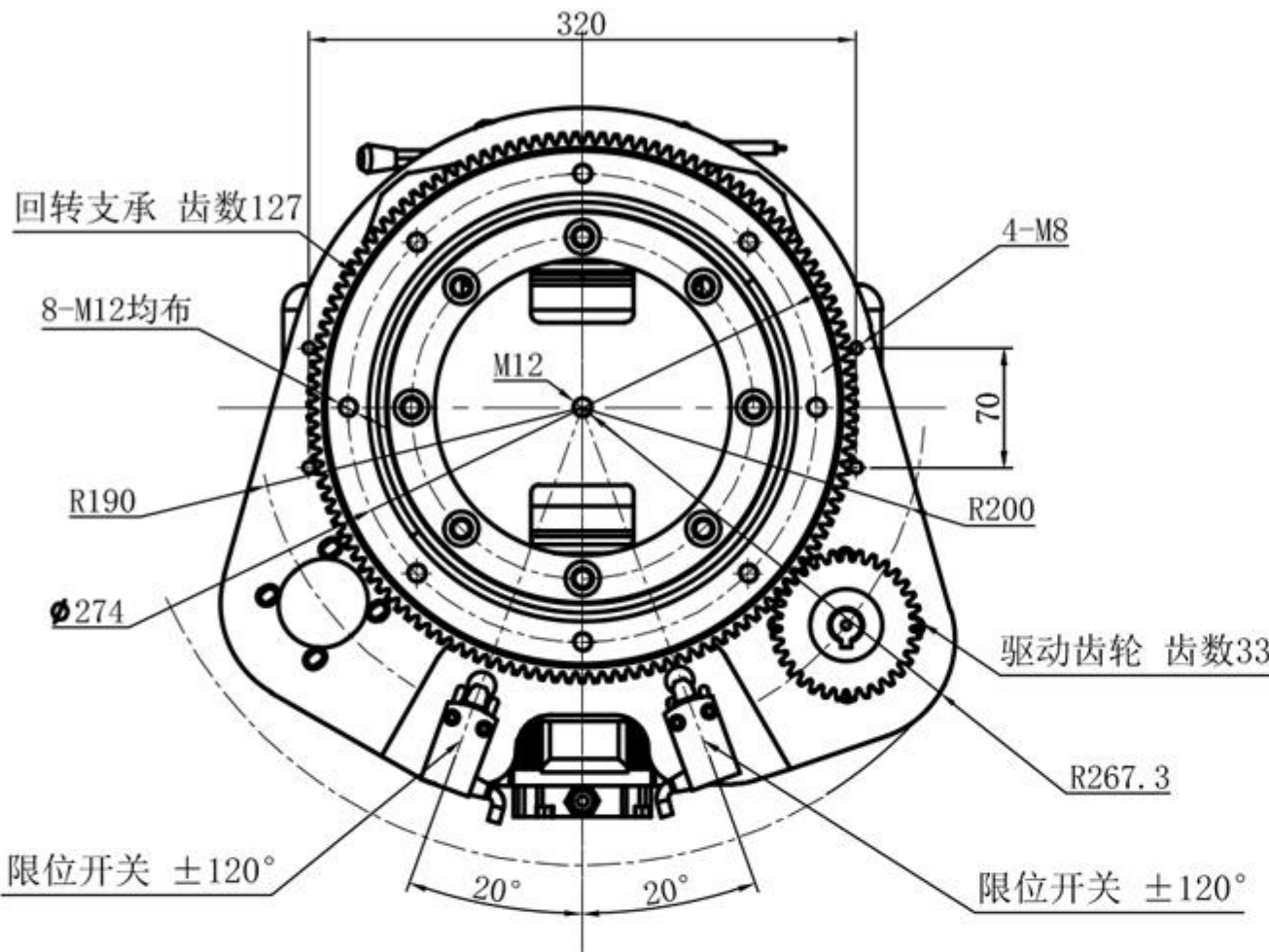
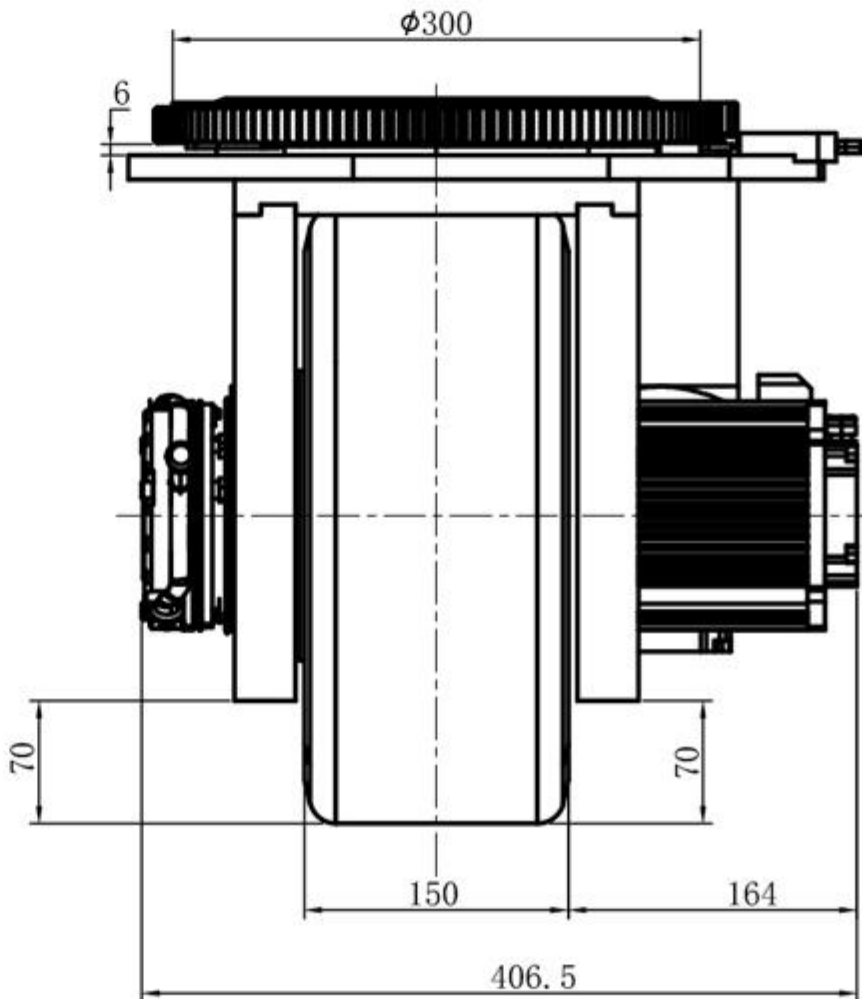
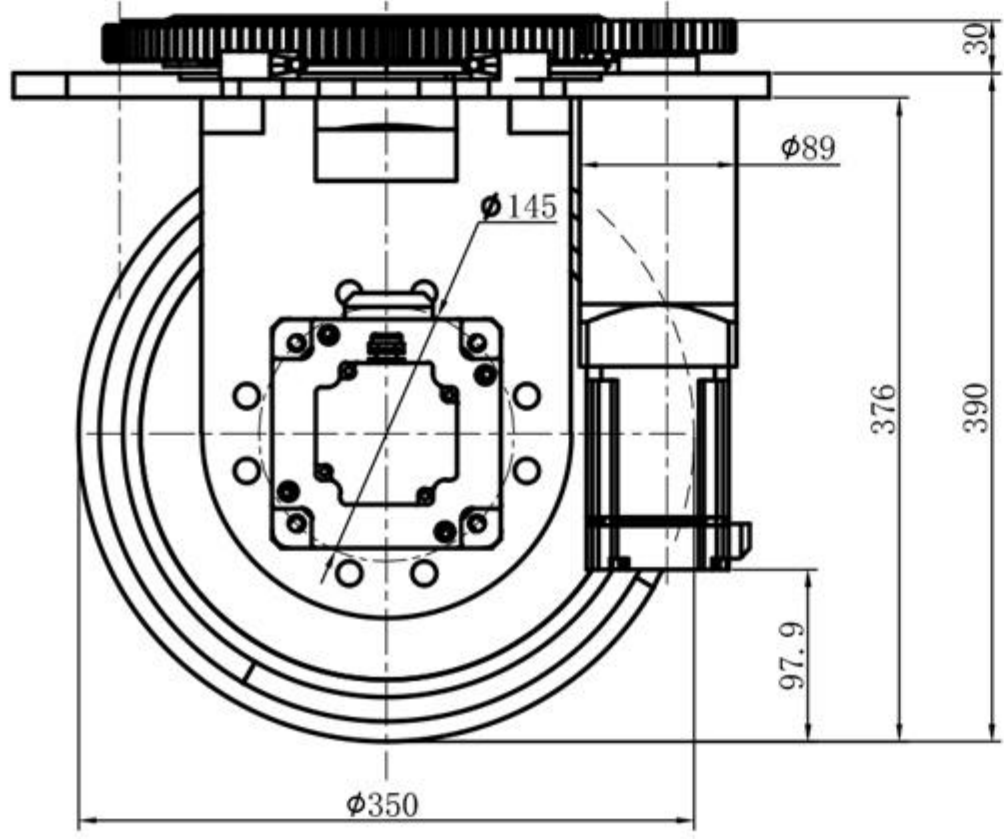
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	3600
电压 Voltage(V)	48
电流 Current(A)	89
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	4500
IP等级 IP grade	65

PLT-350P 舵轮 (Drive wheel)



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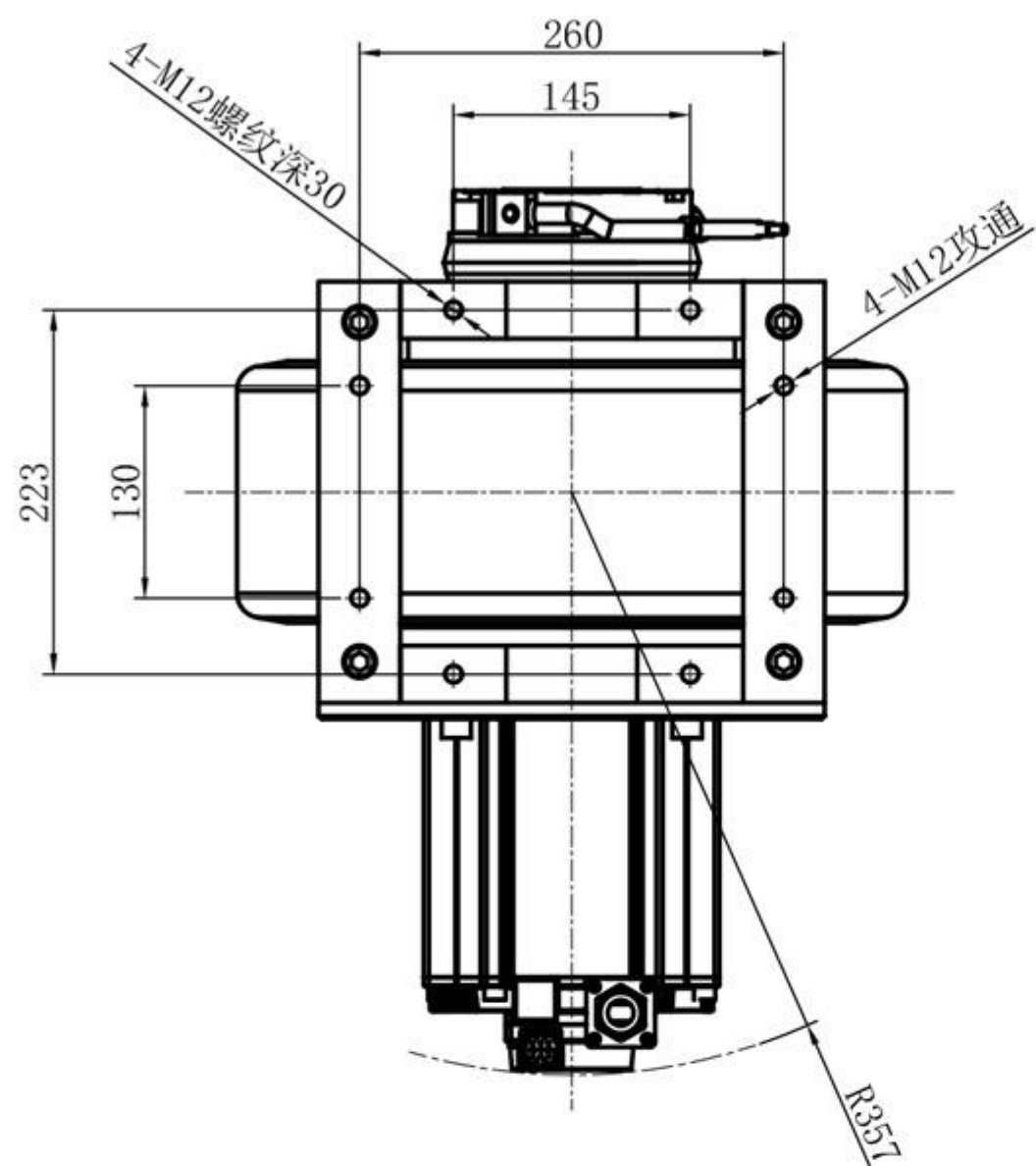
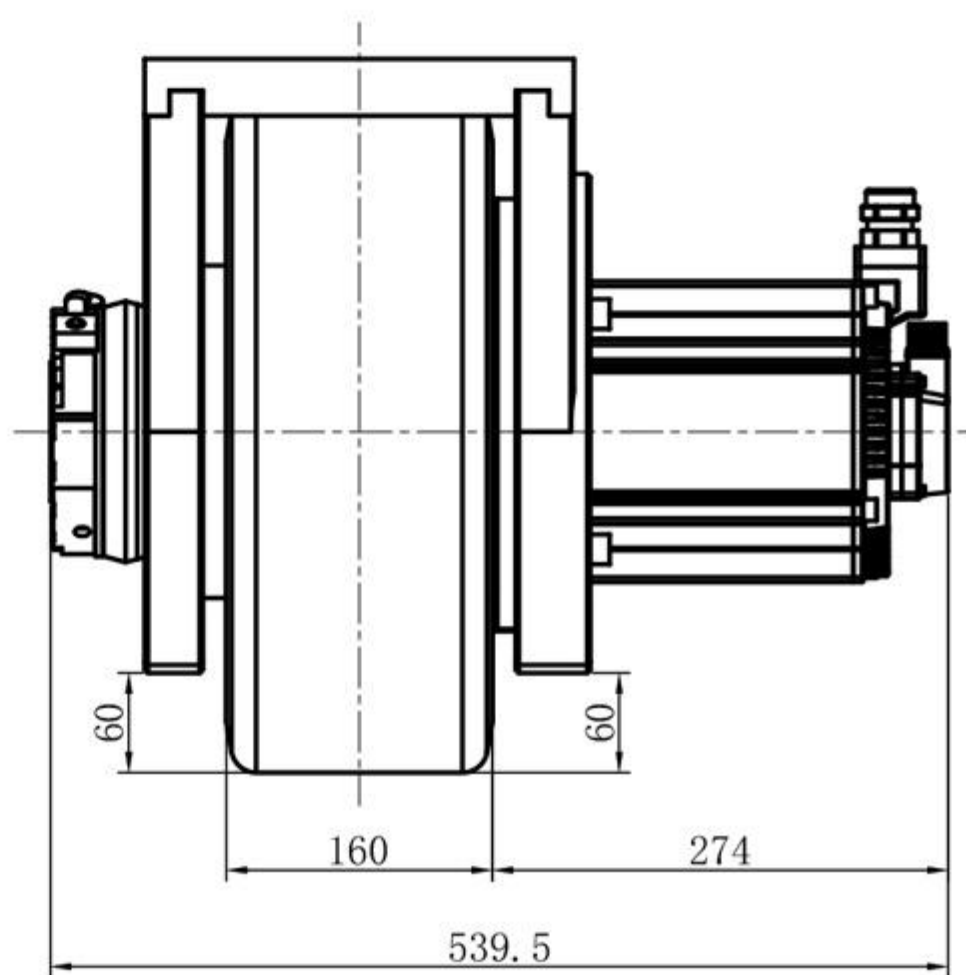
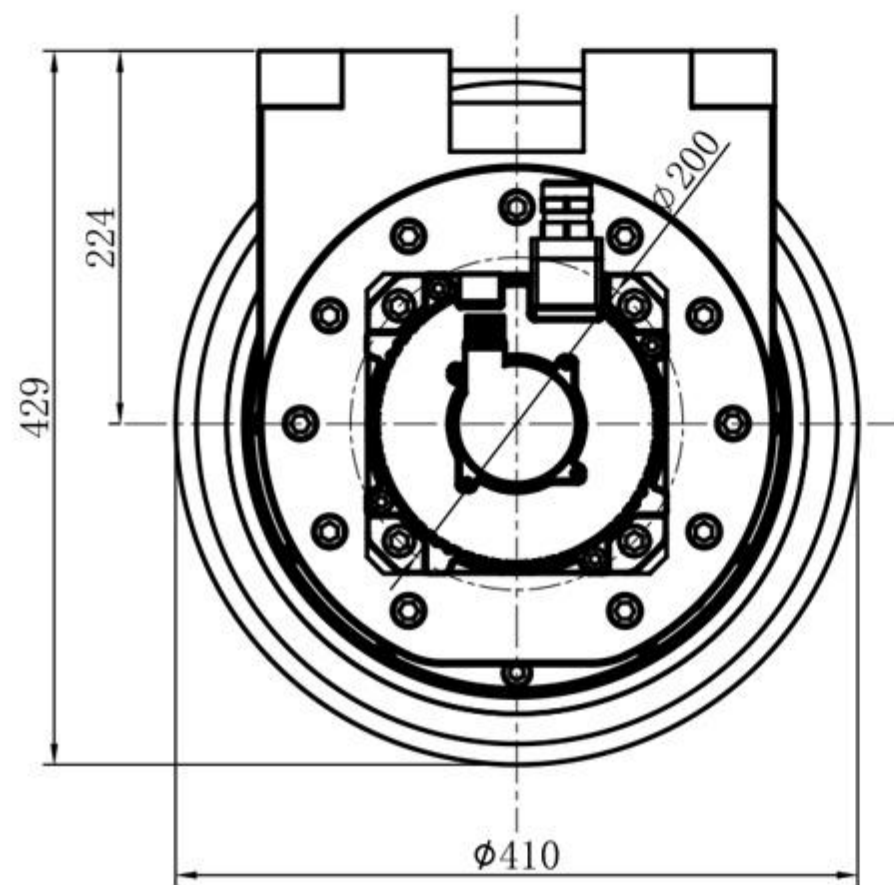
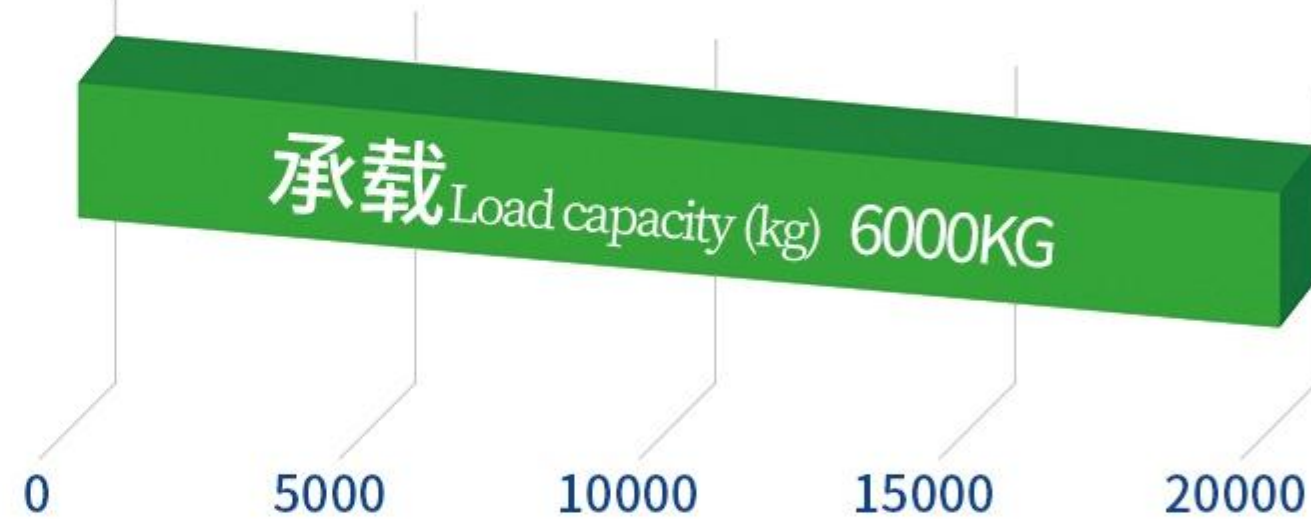
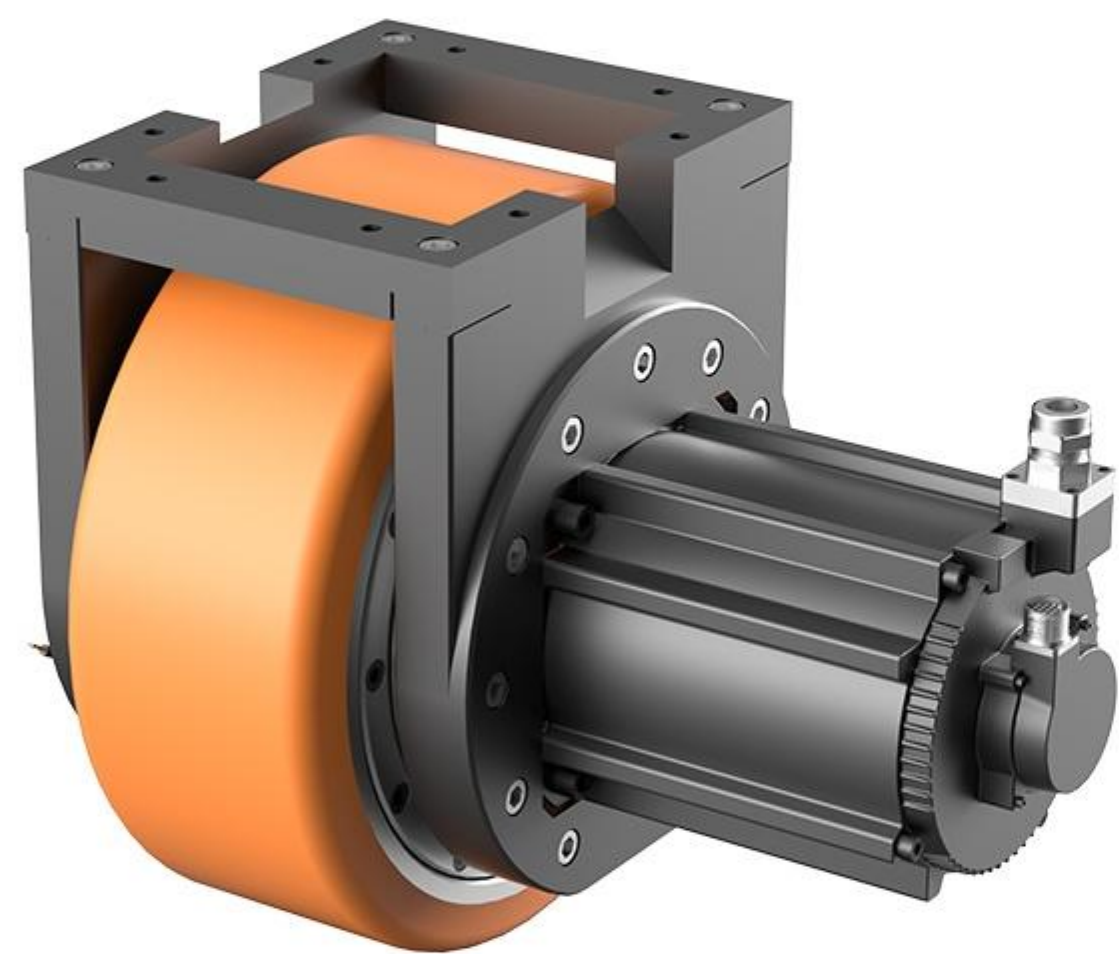


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	3600
电压 Voltage(V)	75
电流 Current(A)	61
转速 Speed(rpm)	3000
减速比 Ratio(i)	21
IP等级 IP grade	65

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)



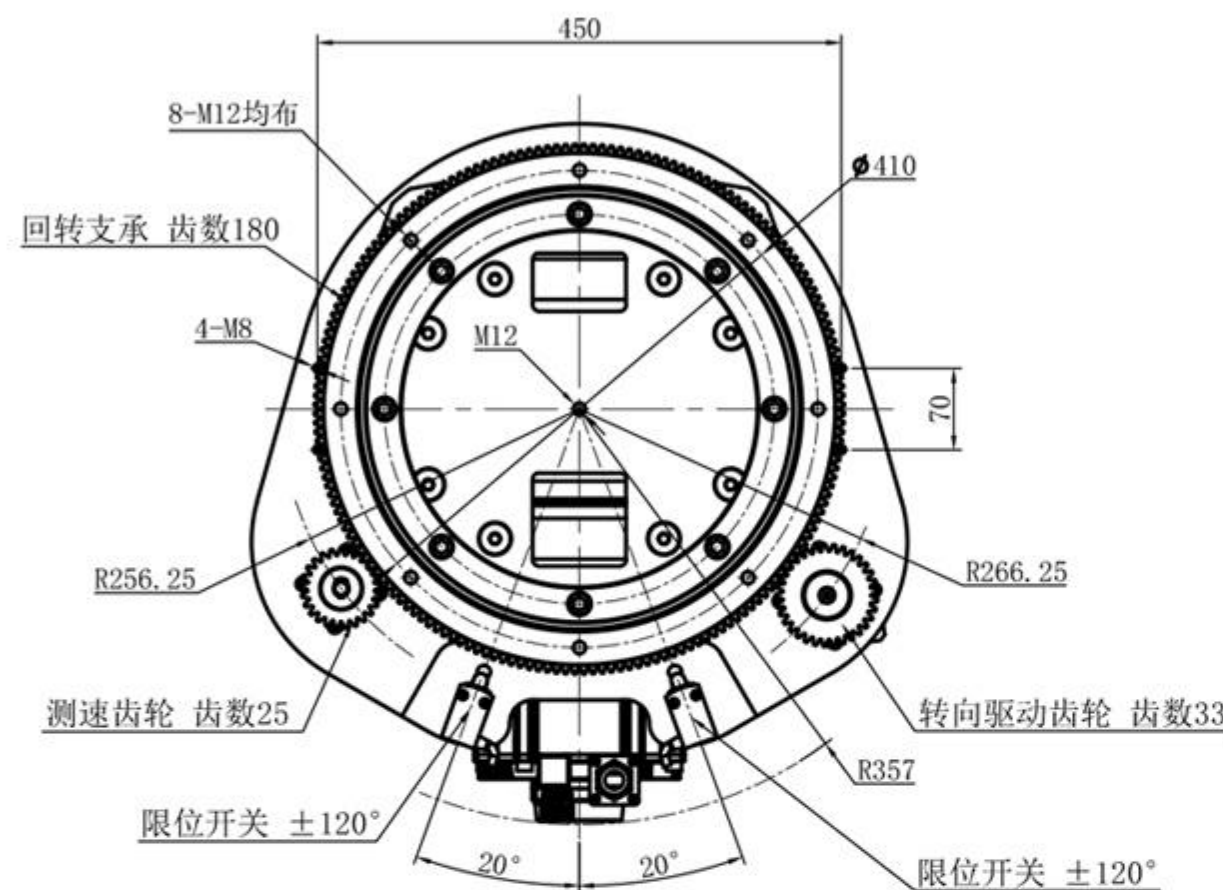
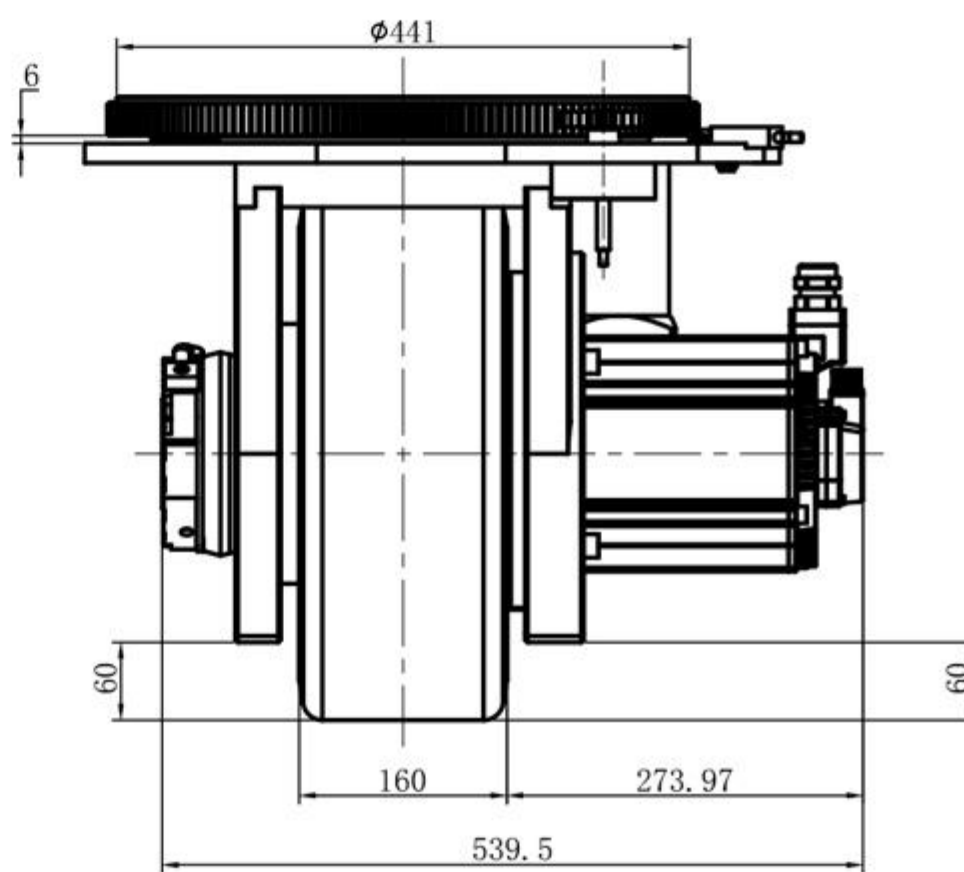
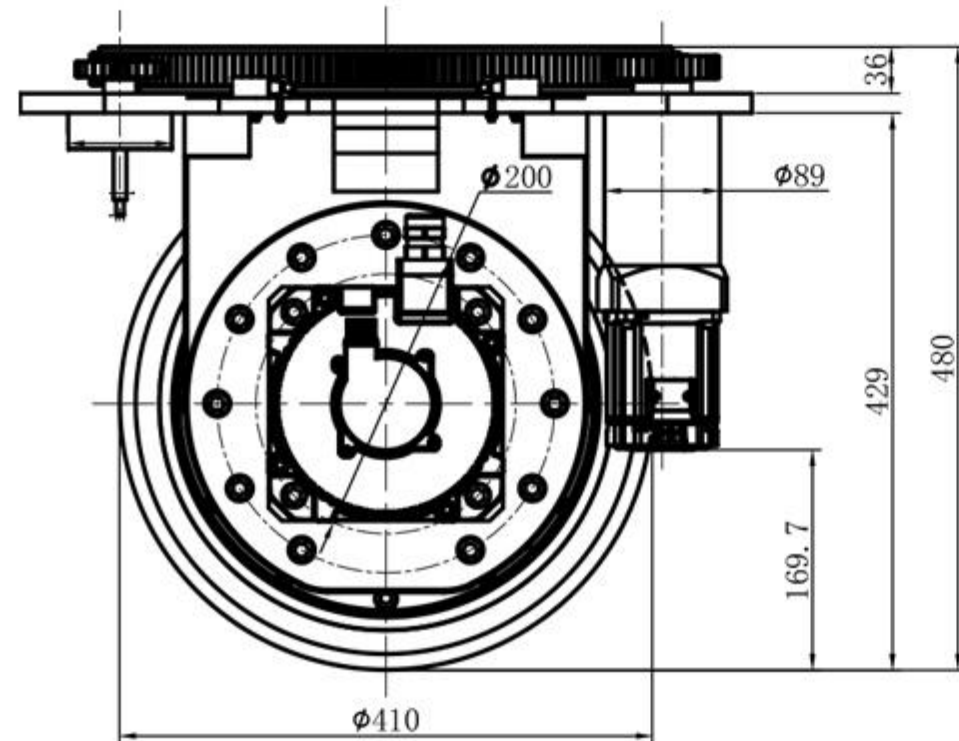
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行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	5800/7500
电压 Voltage(V)	48
电流 Current(A)	150-208
转速 Speed(rpm)	2000
减速比 Ratio(i)	40/70
承载 Load capacity(kg)	6000
IP等级 IP grade	65

PLT-410P 舵轮 (Drive wheel)



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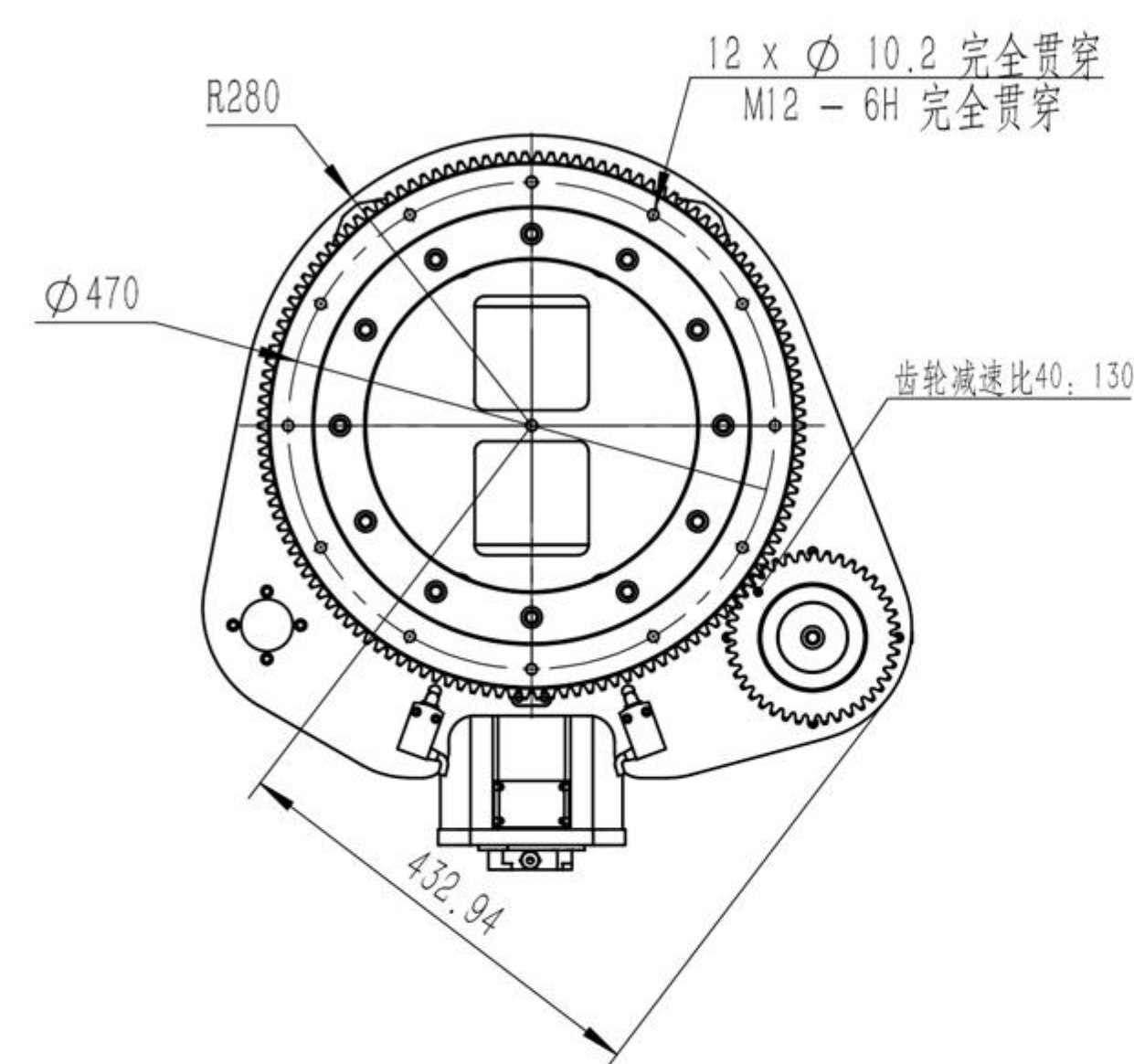
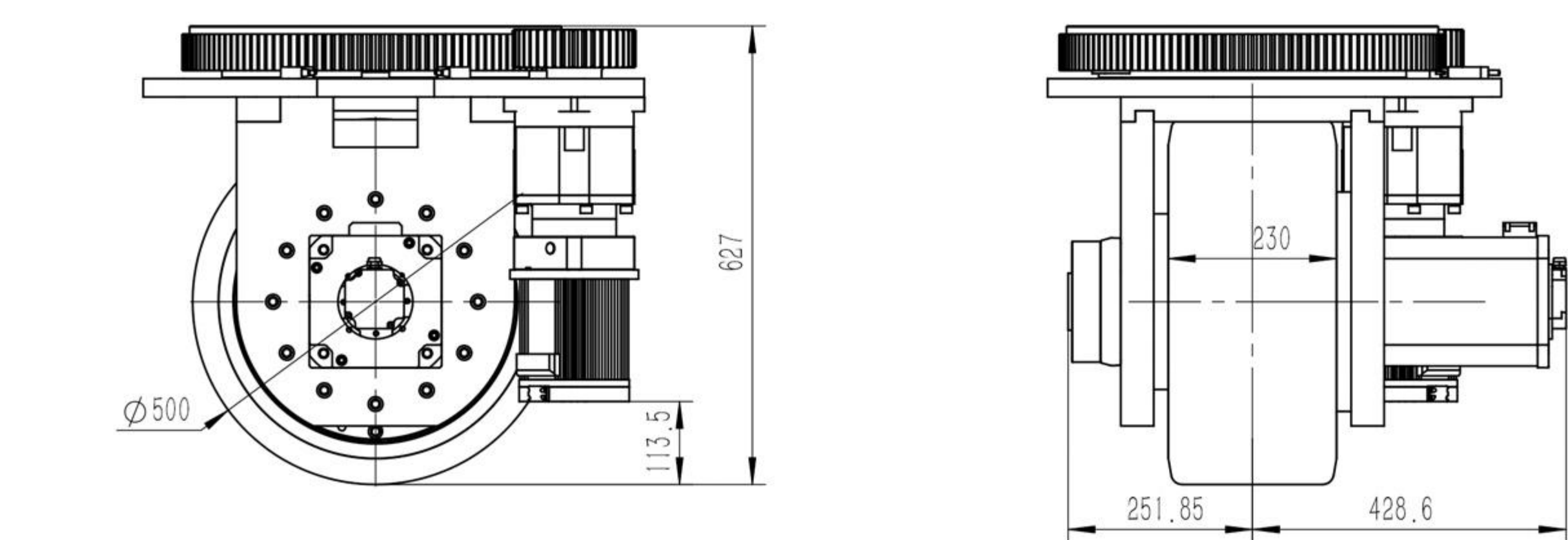


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	23.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	64
IP等级 IP grade	65

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)



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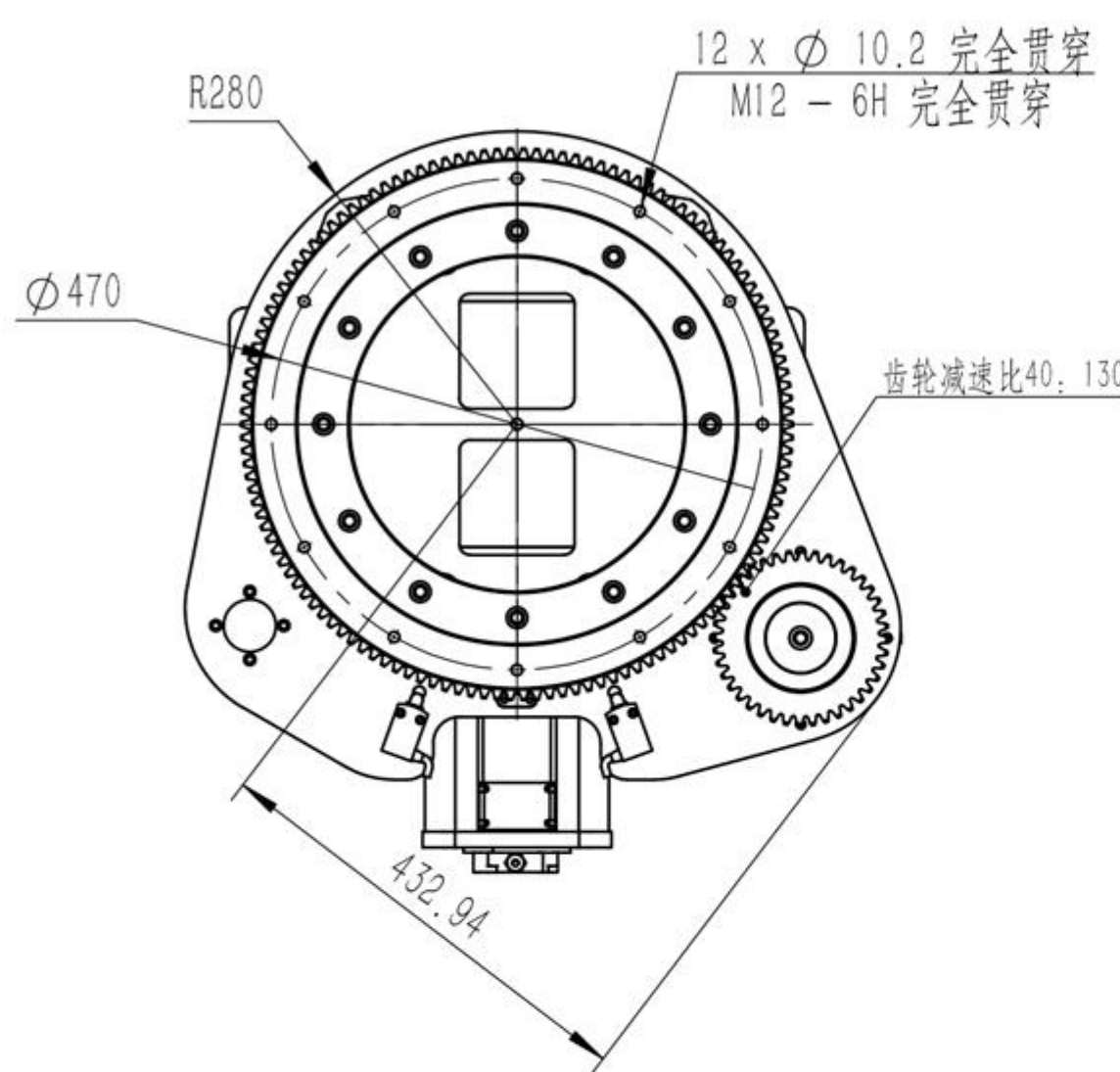
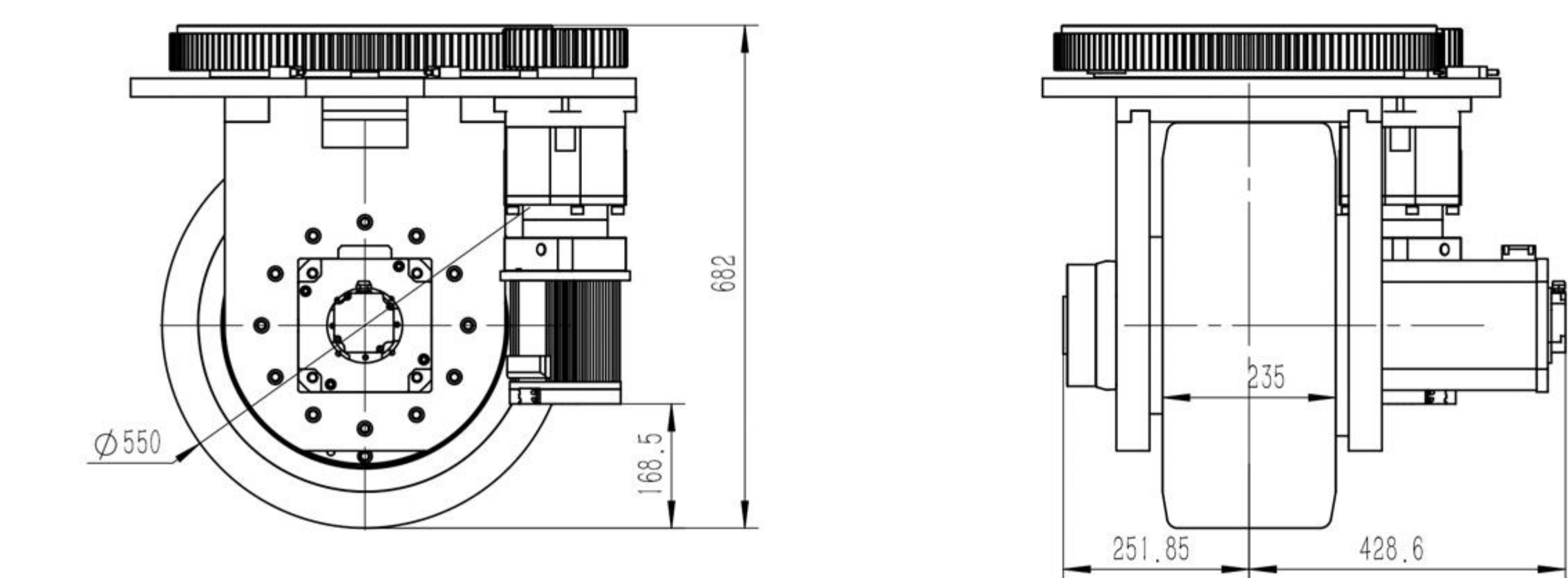
行走轮部分参数 Traction parameters

电机类型Series	PMAC/DC/AC
功率 Power(w)	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

PLT-550P 舵轮 (Drive wheel)



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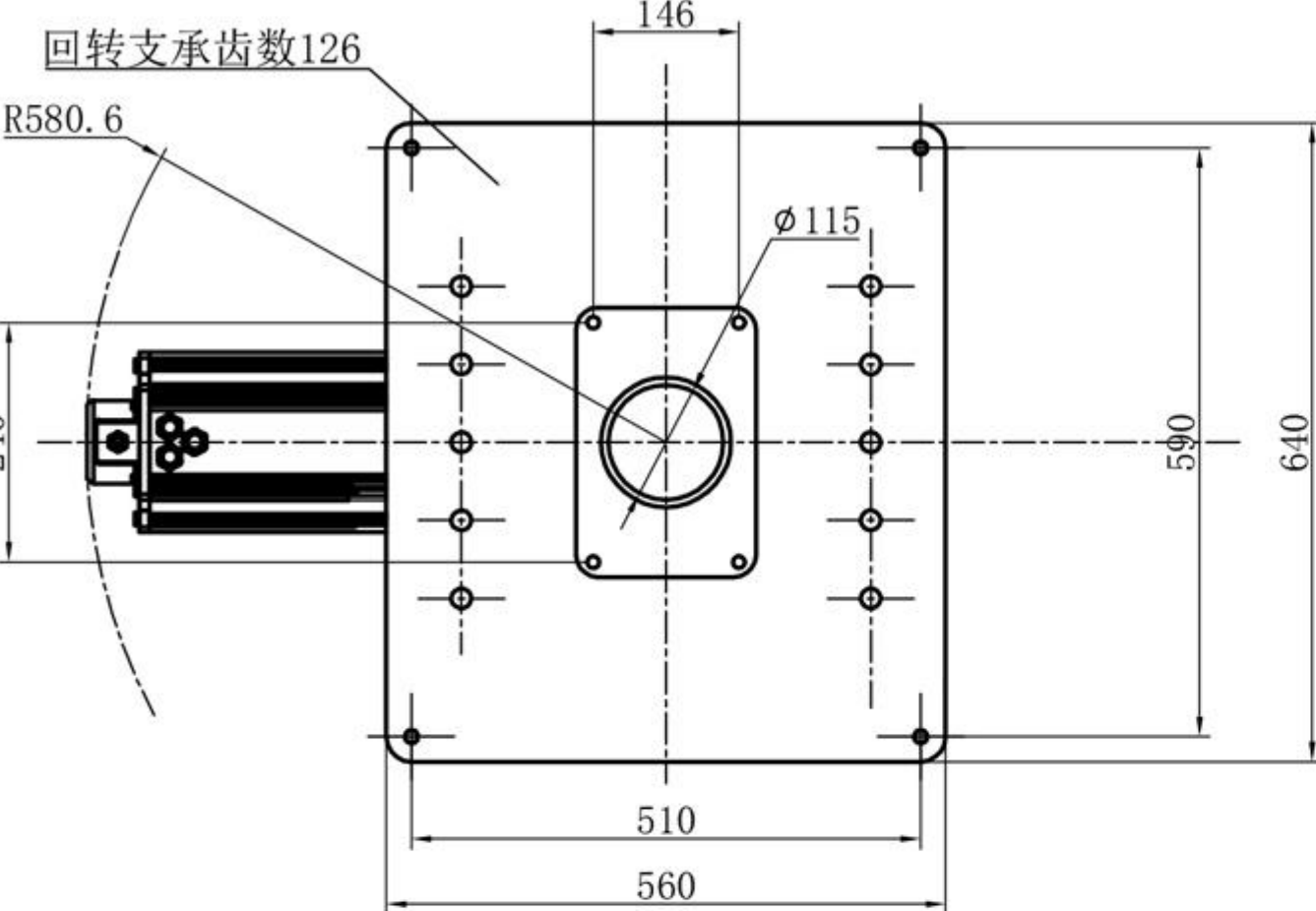
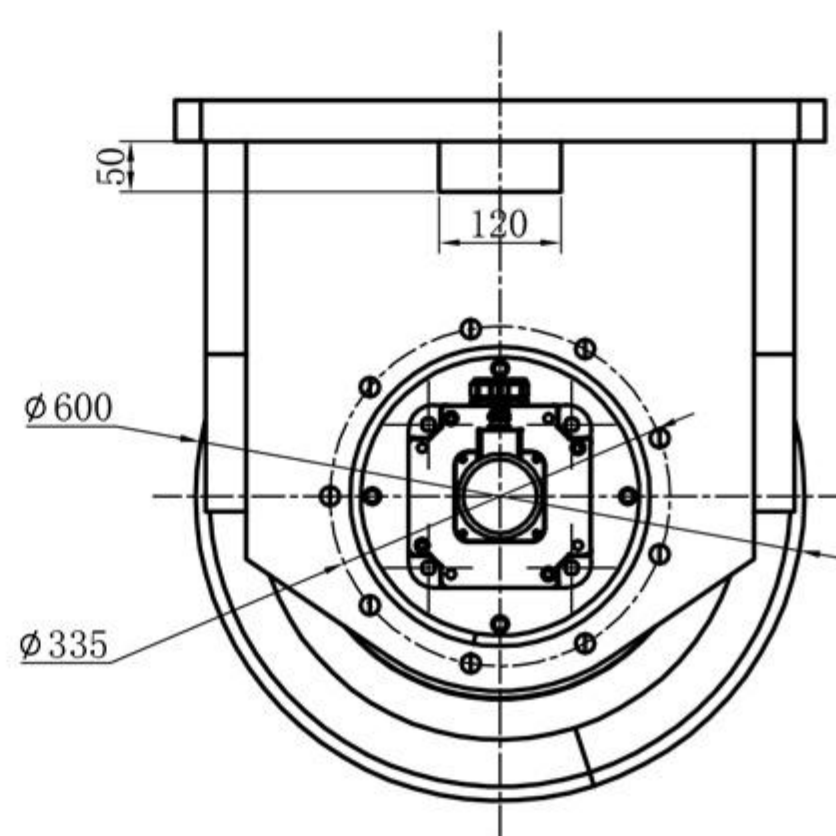
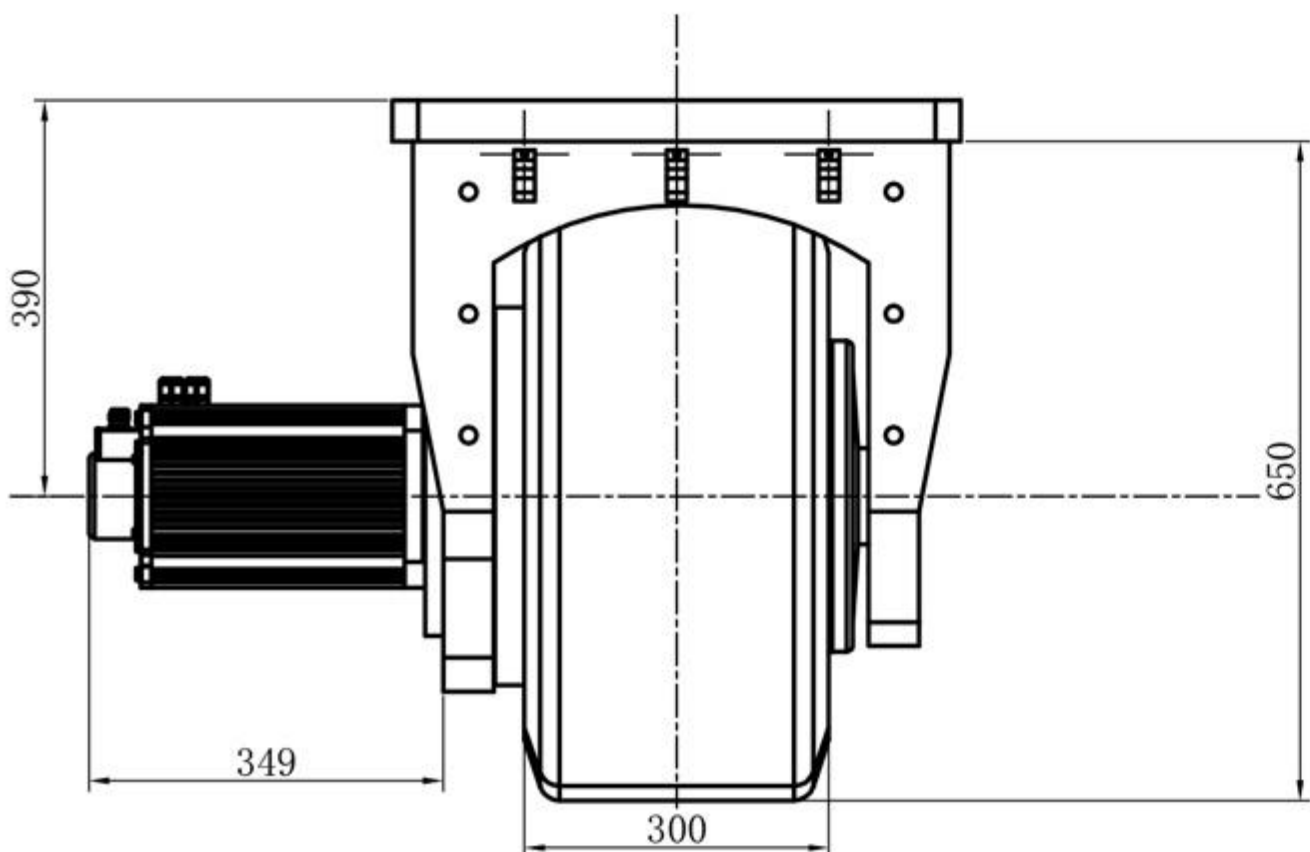
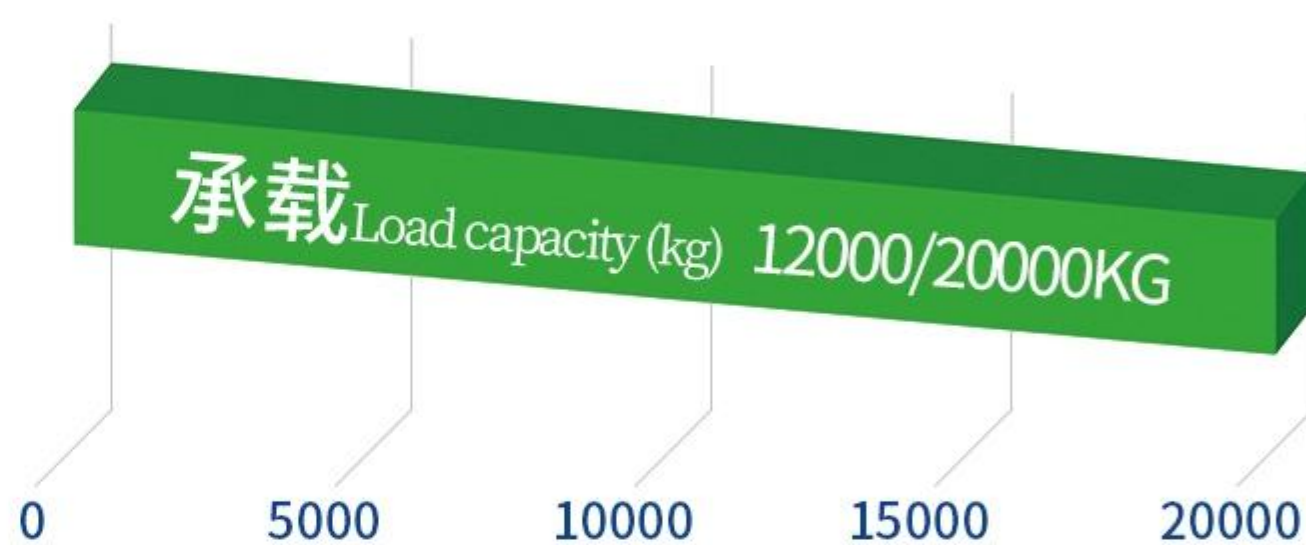
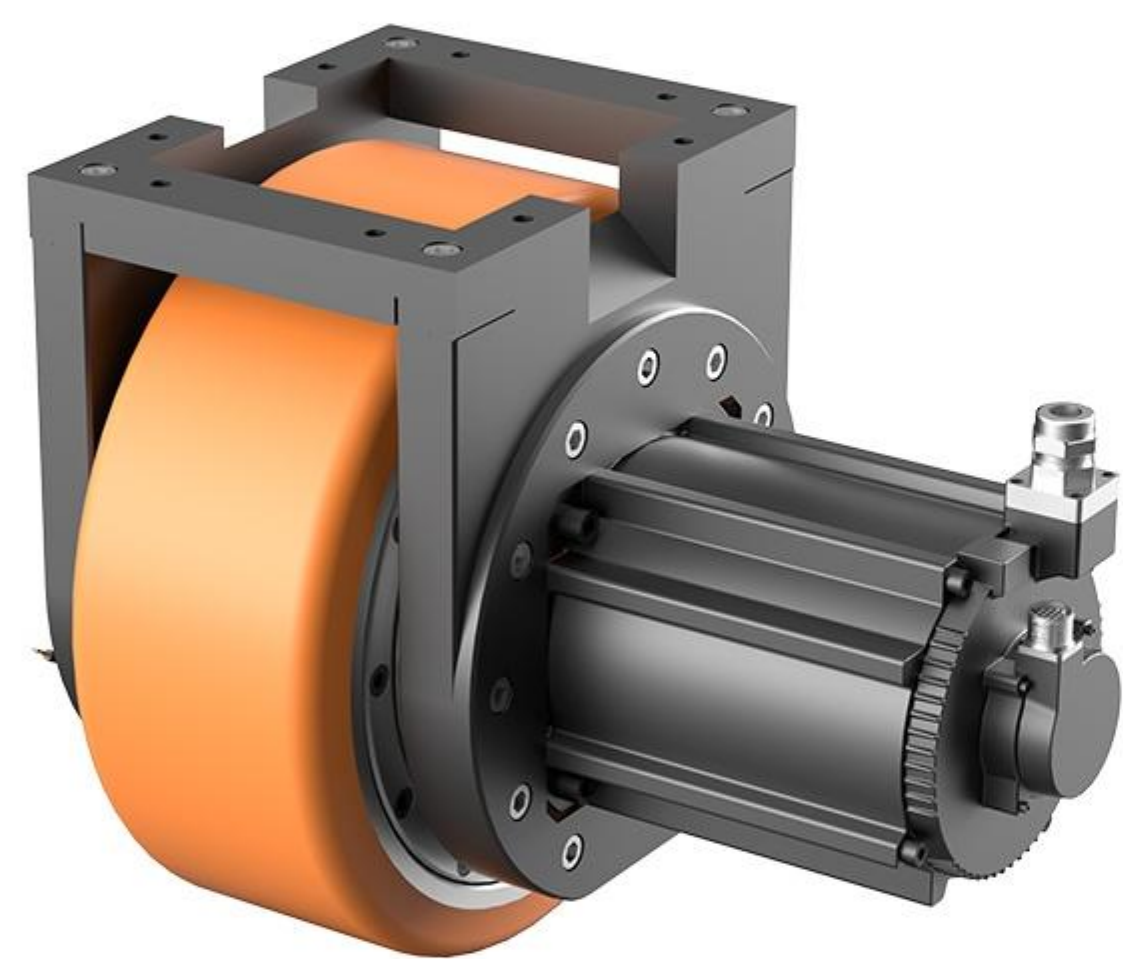
行走轮部分参数 Traction parameters

电机类型Series	PMAC/DC/AC
功率 Power(w)	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

PLT-600P 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)	8000/9000
电压 Voltage(V)	48/72/80
电流Current(A)	196
转速Speed(rpm)	1500
减速比Ratio(i)	40/70
承载Load capacity(kg)	12000/20000
IP等级IP grade	65

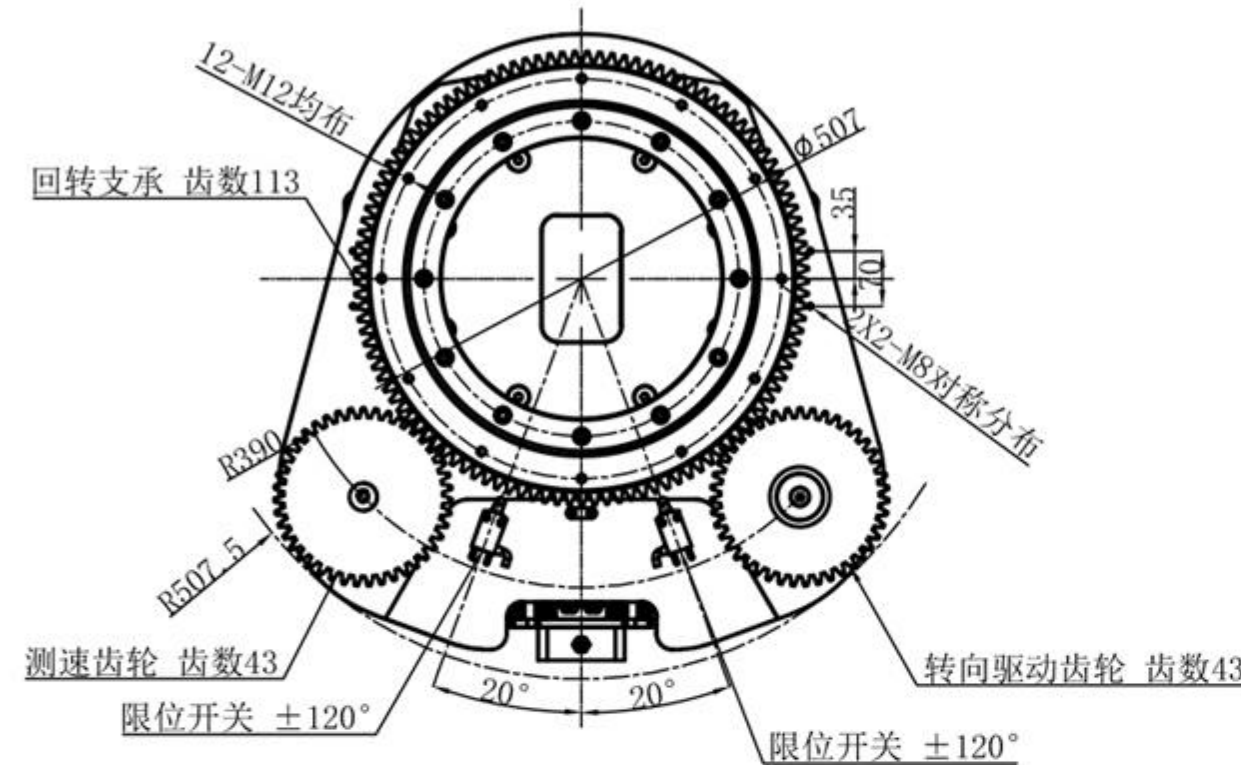
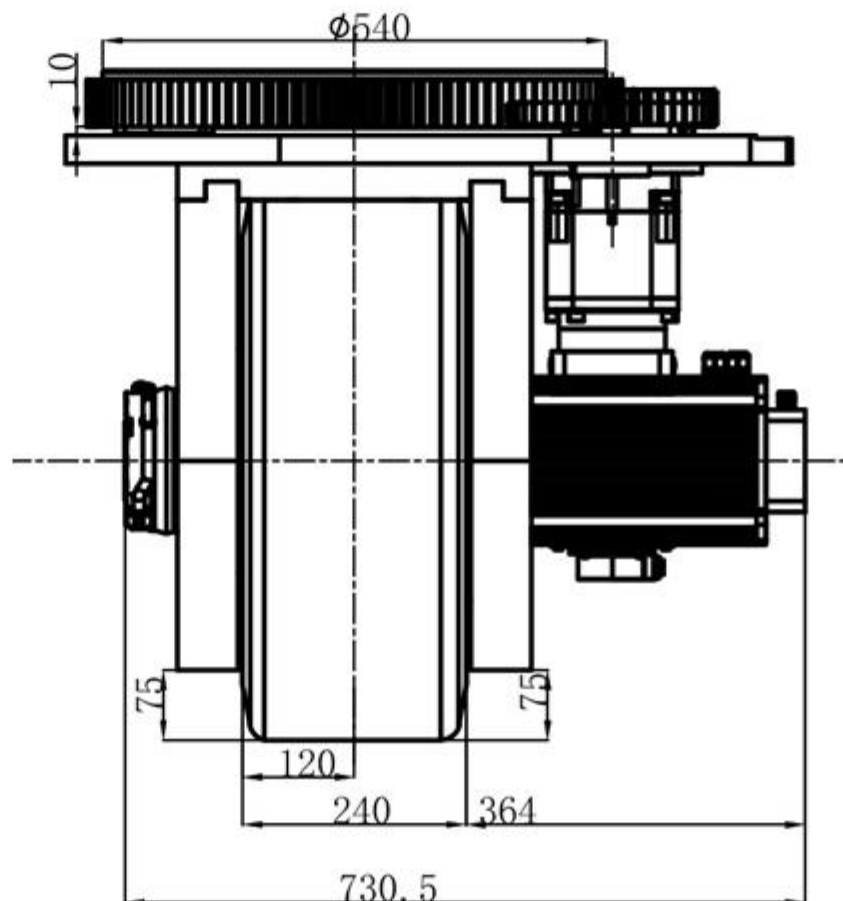
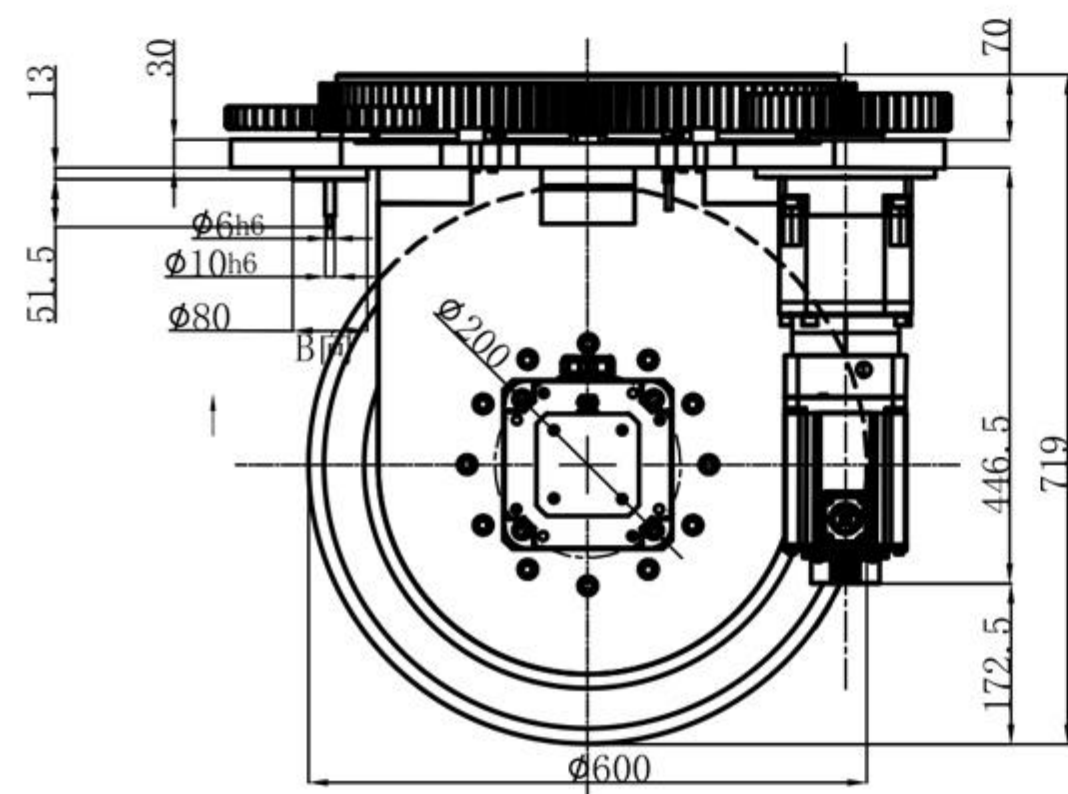


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PLT-600P 舵轮 (Drive wheel)



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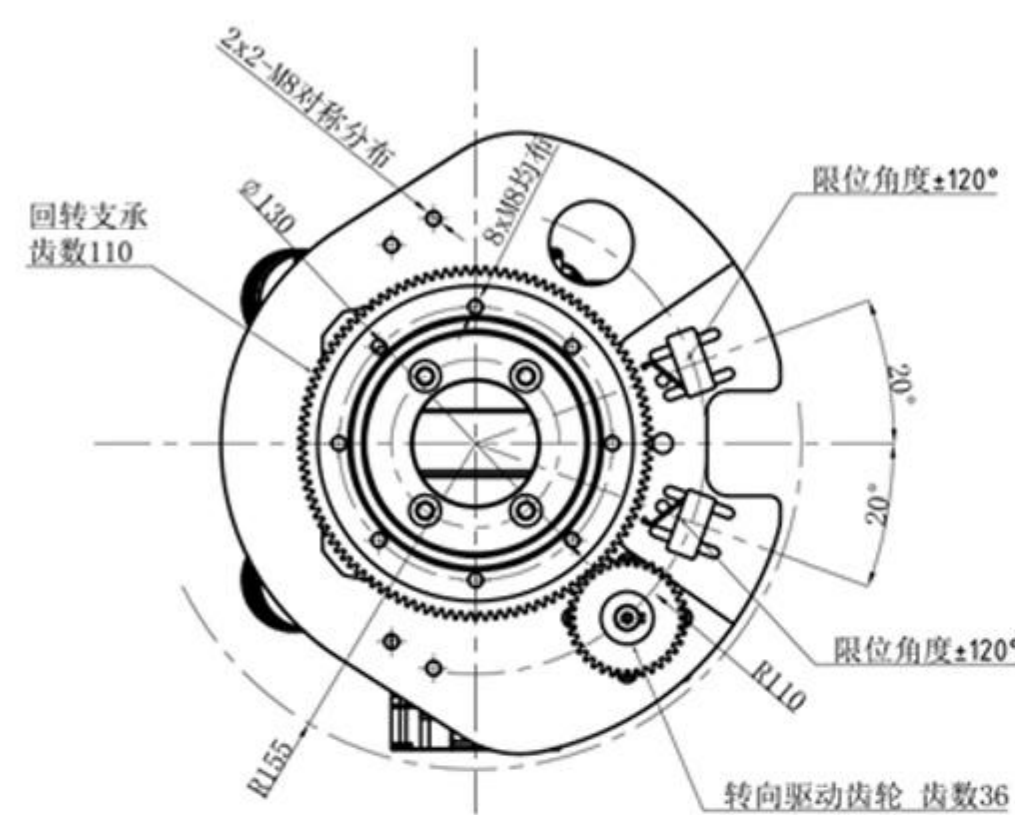
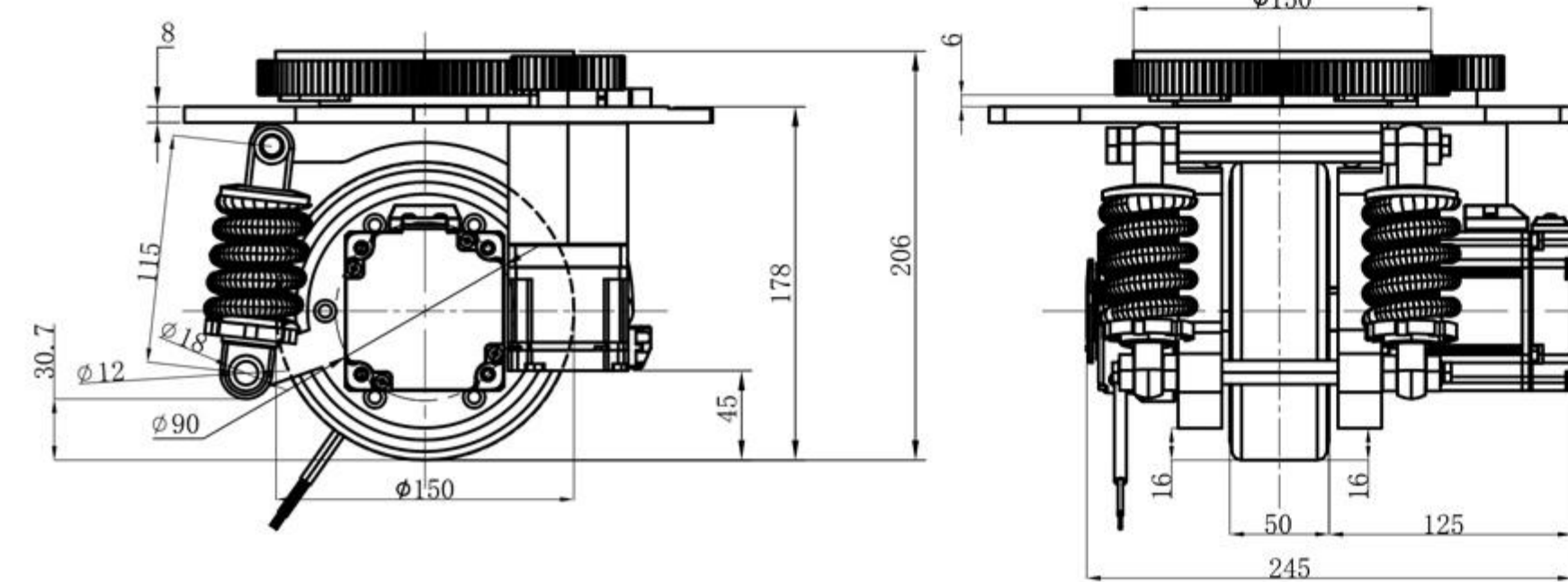
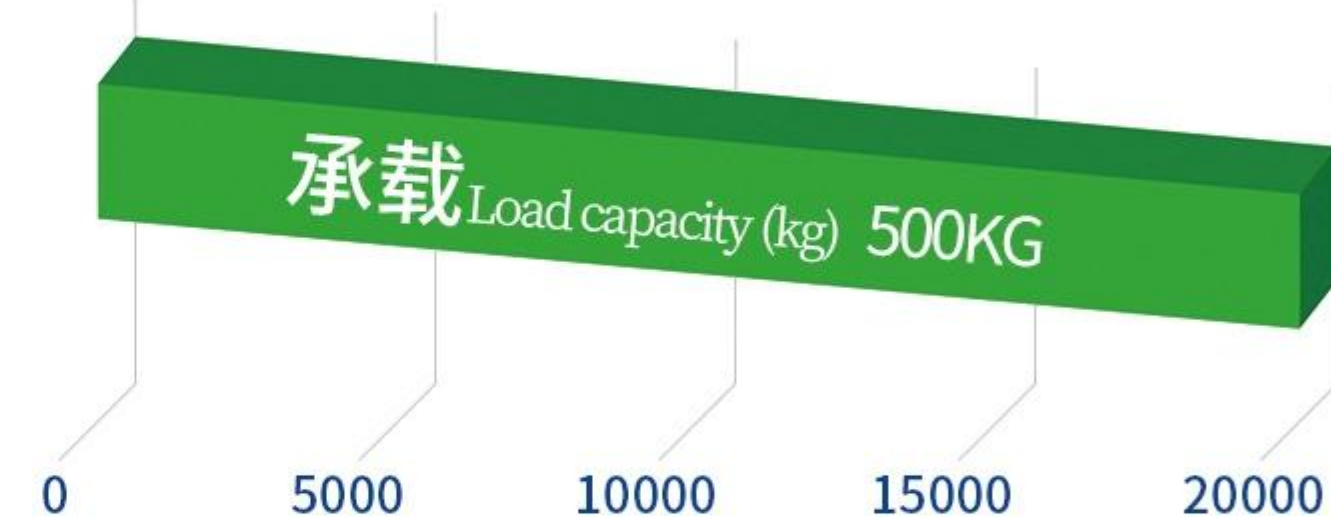


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	3000
电压 Voltage(V)	48/72/80
电流Current(A)	42/75
转速Speed(rpm)	1500/3000
减速比Ratio(i)	80/120
IP等级IP grade	65

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 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)

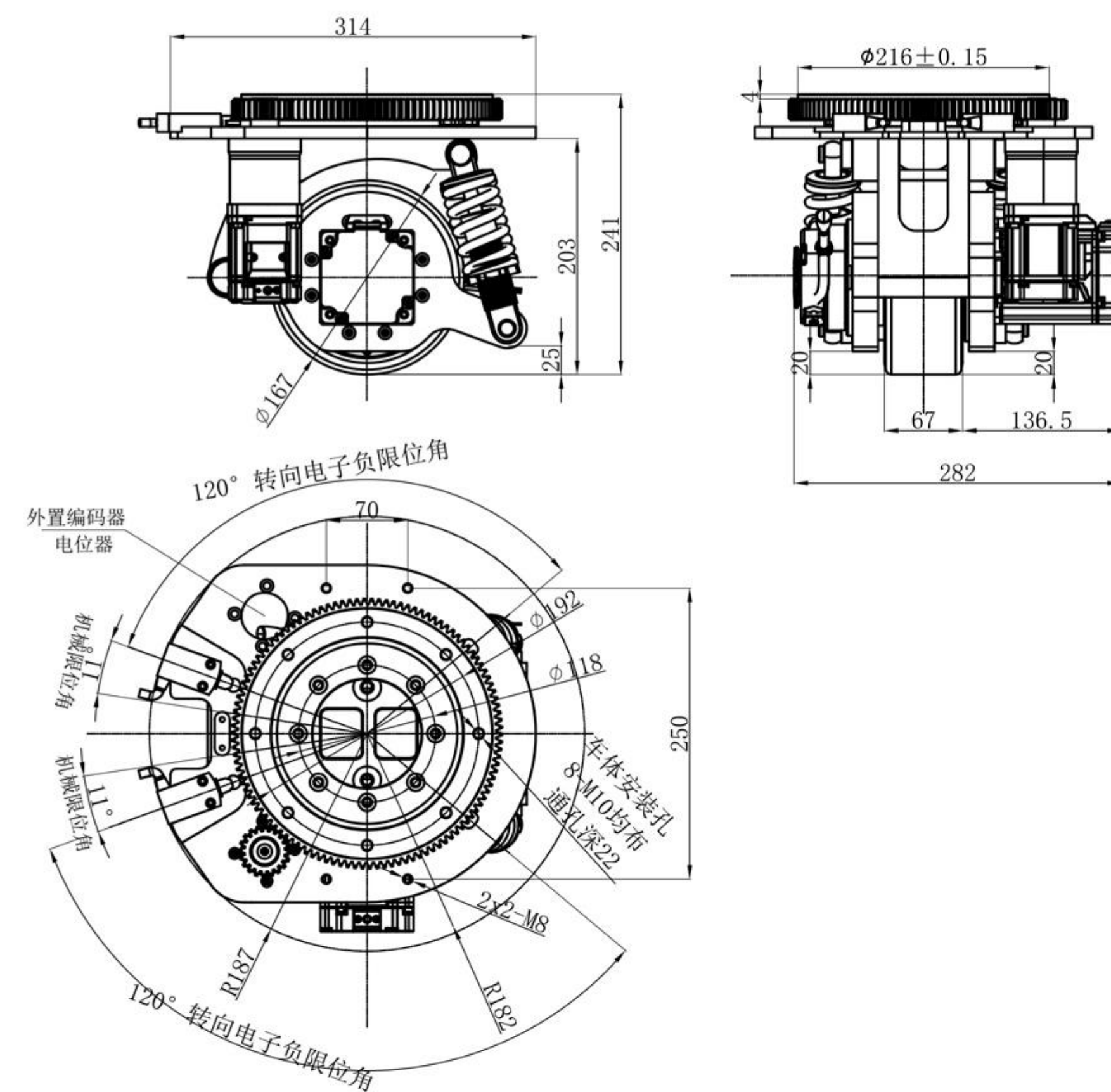
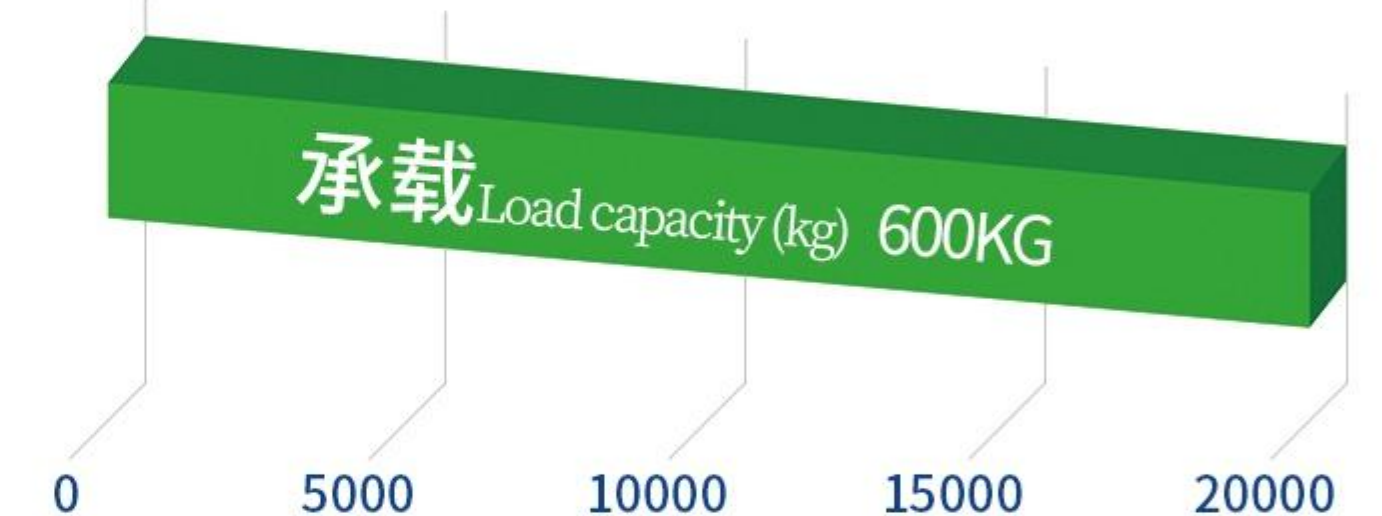
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



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PLT-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)

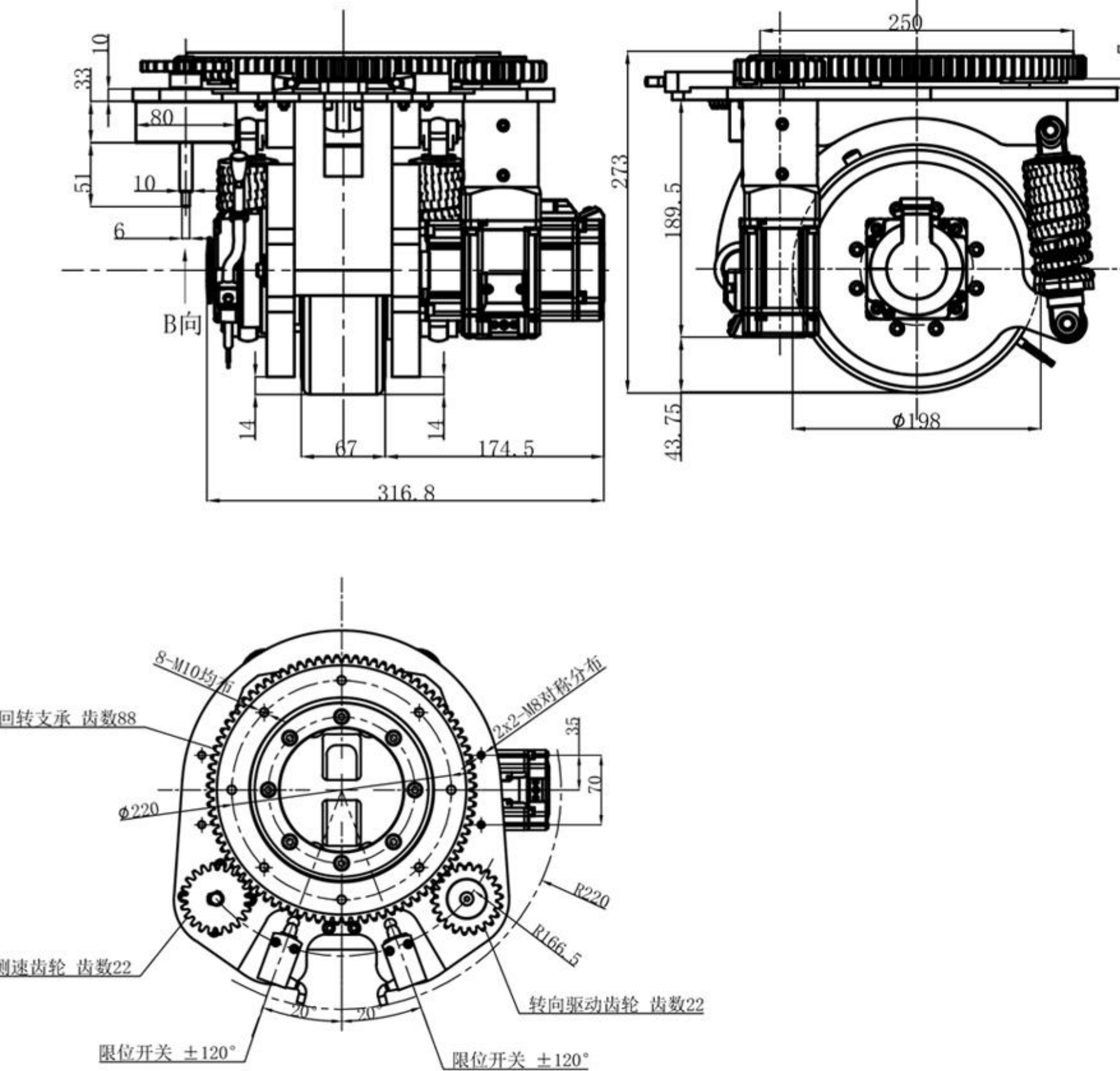
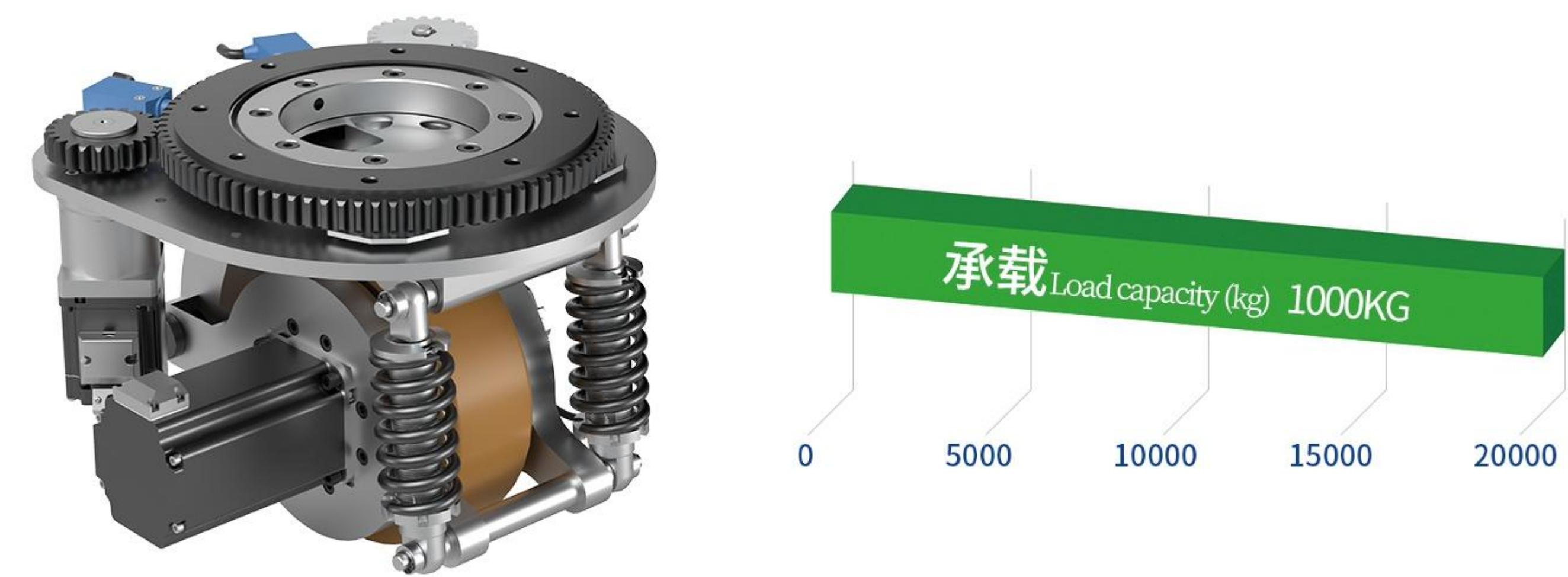
限位开关、原点开关、外置编码器、电位器

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)

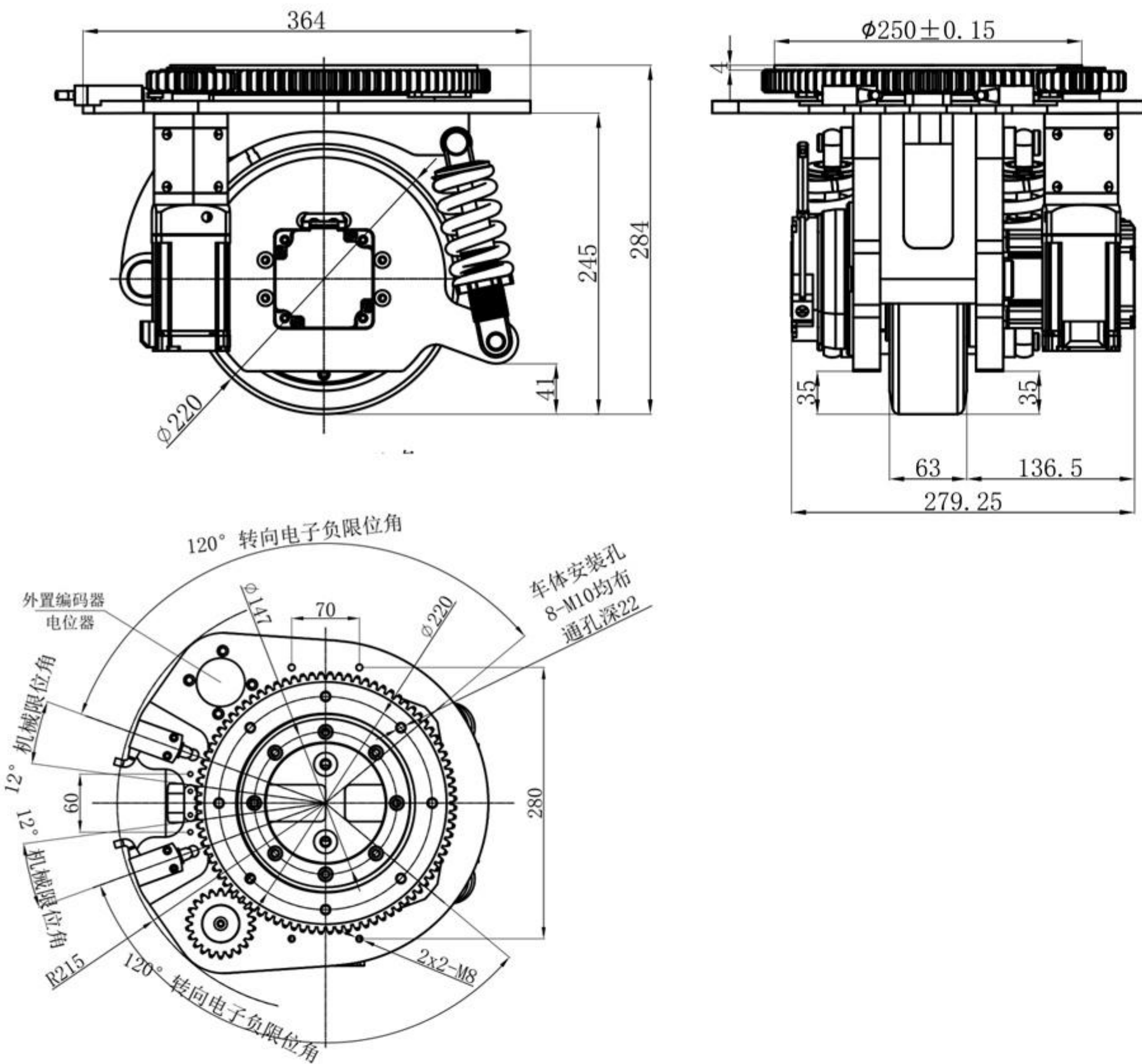
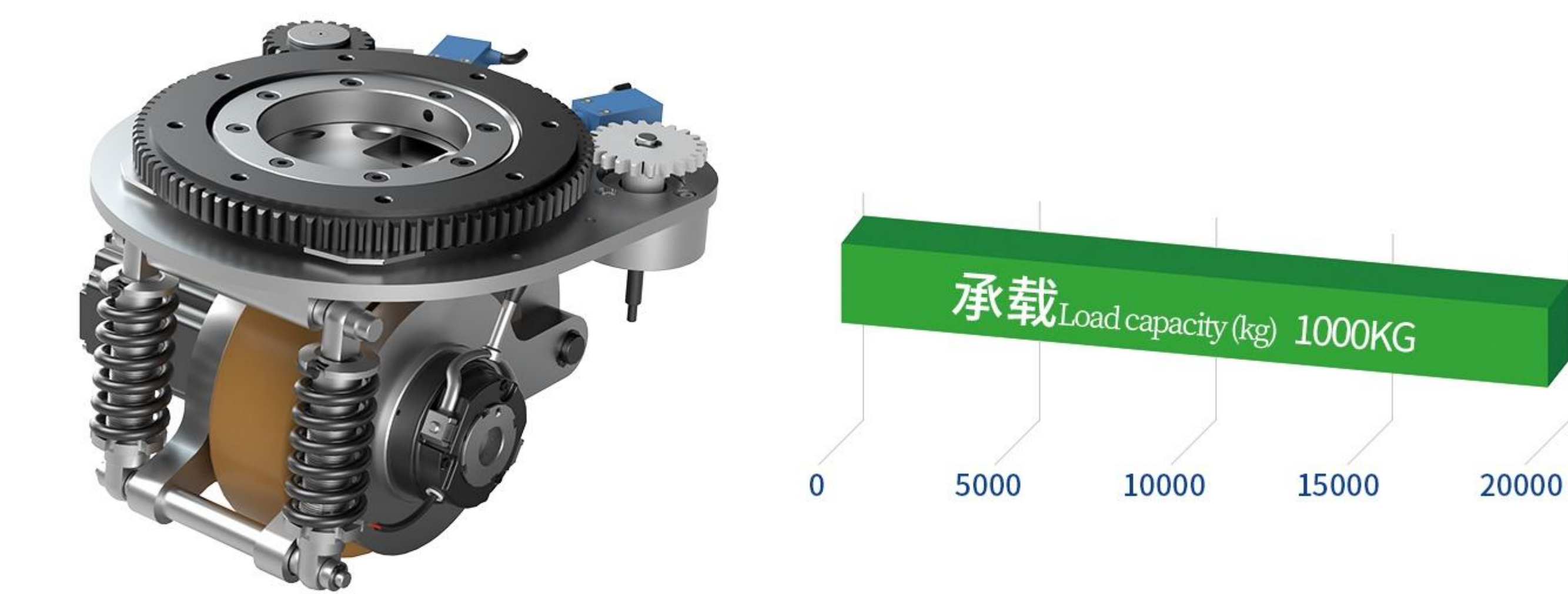
限位开关、原点开关、外置编码器、电位器

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)

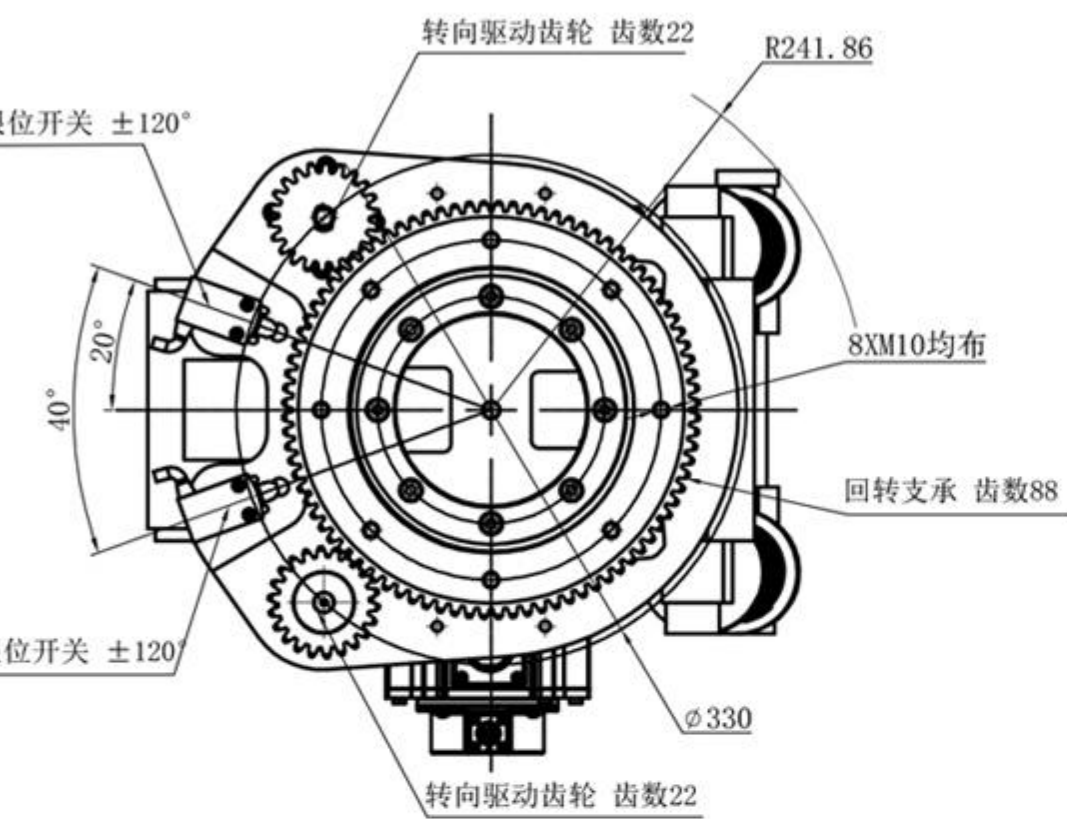
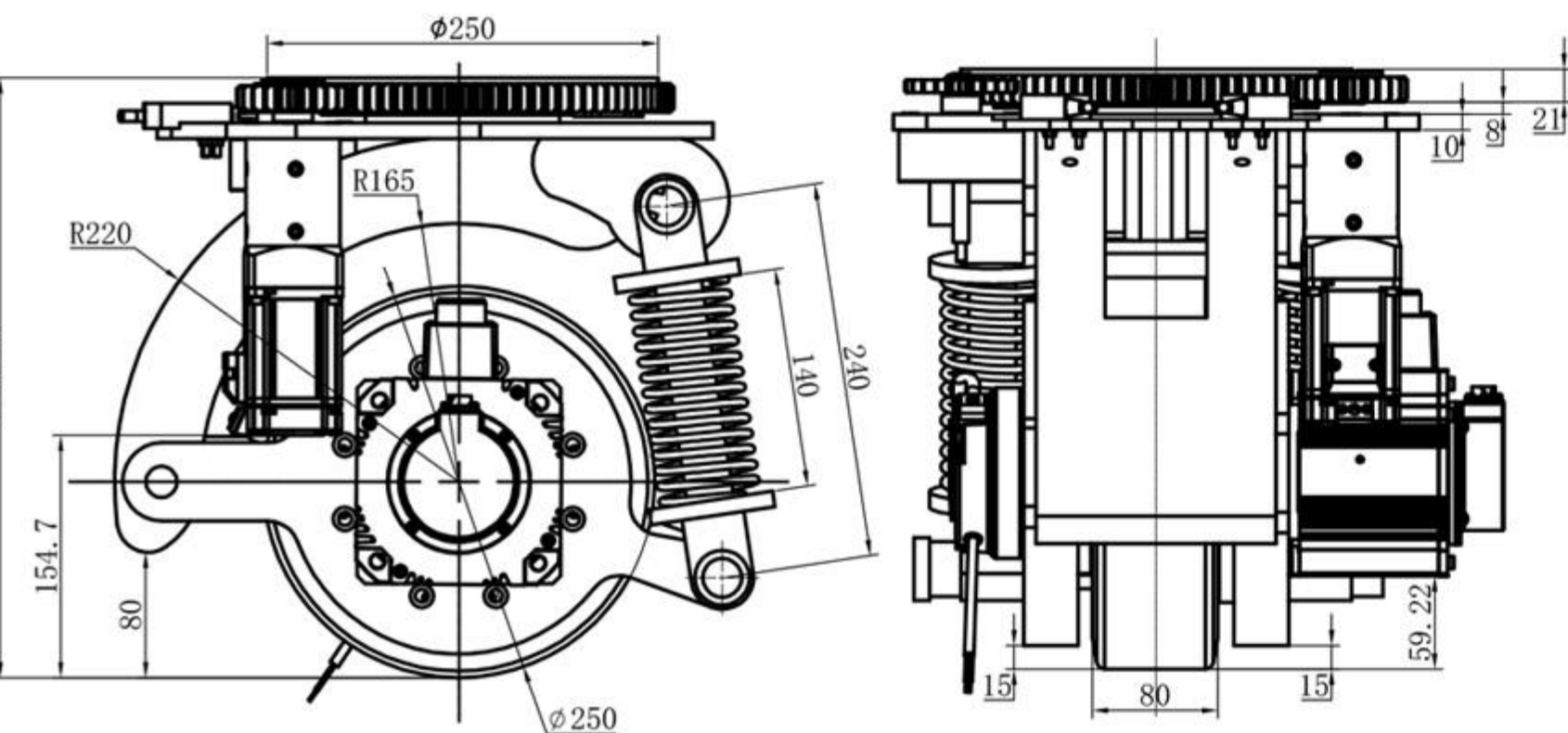
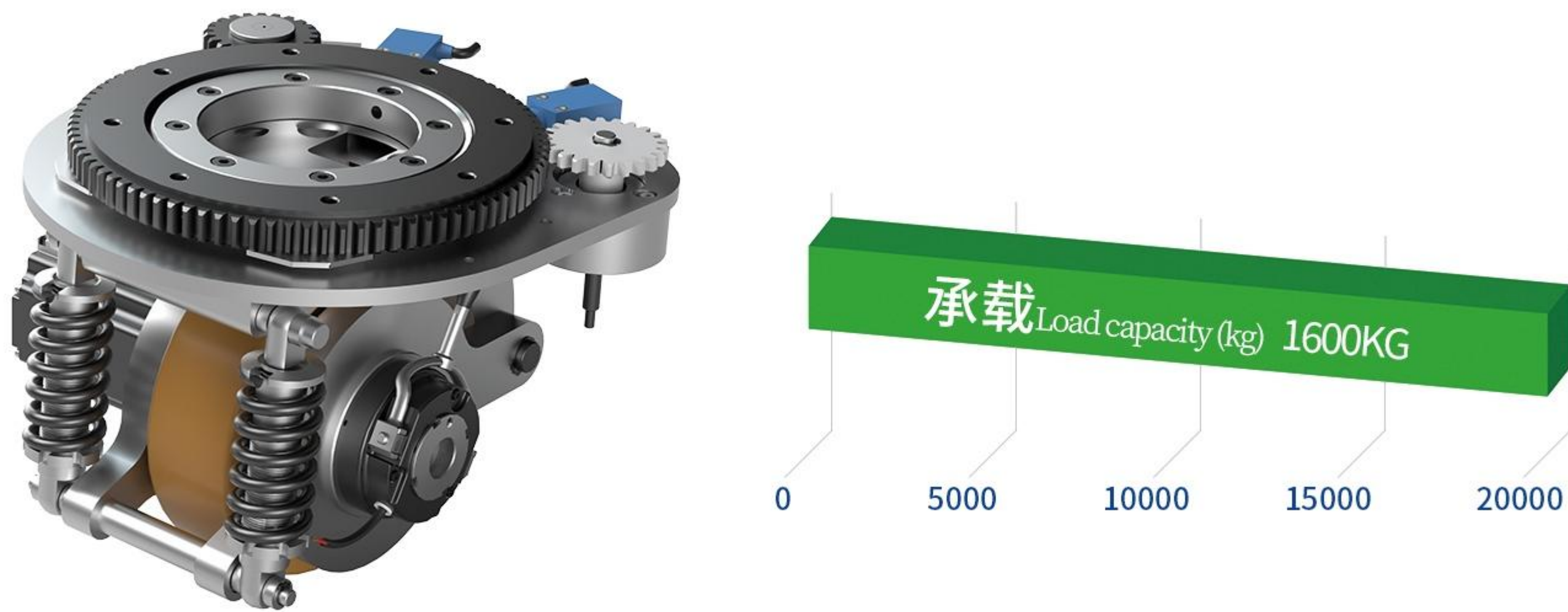
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



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



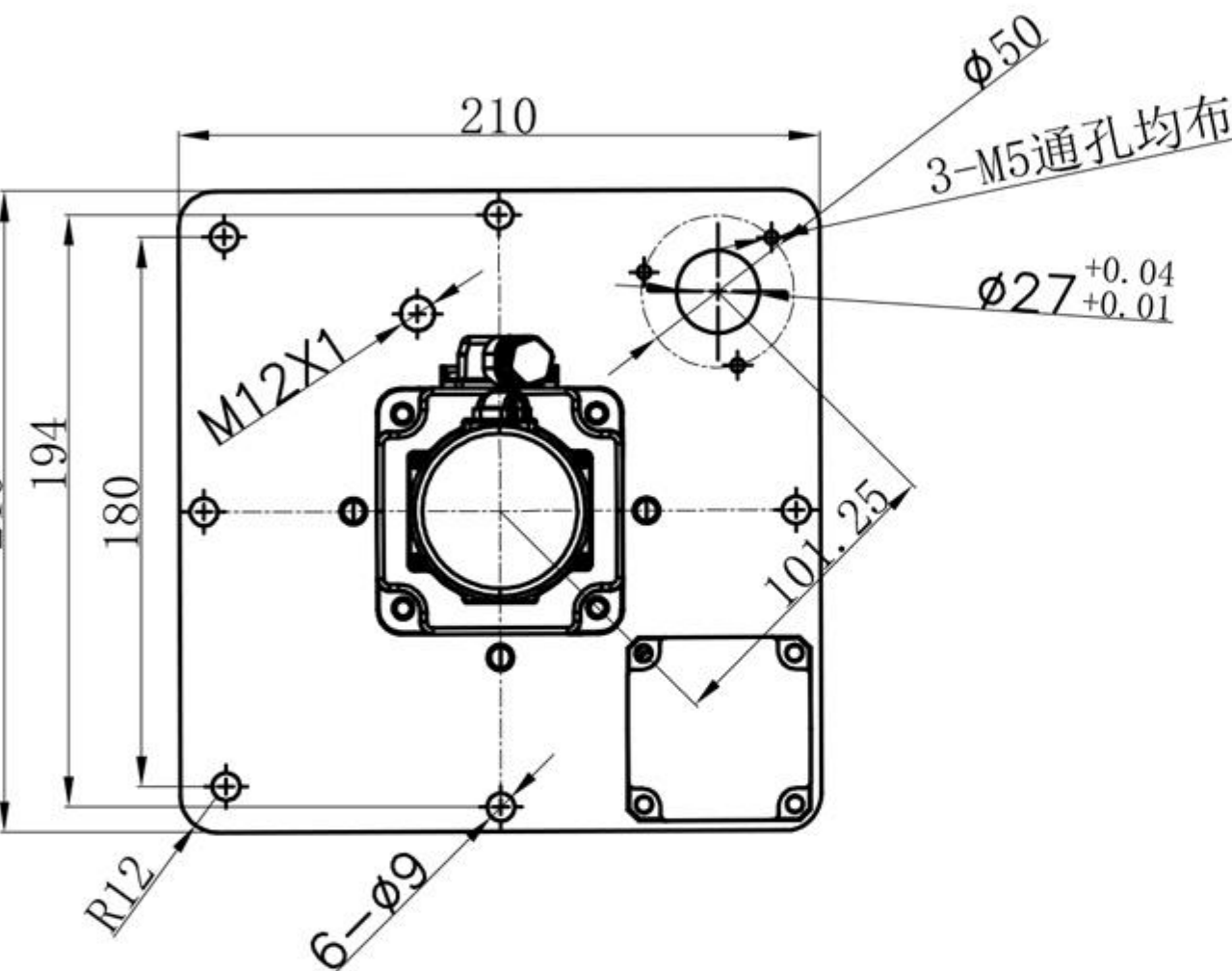
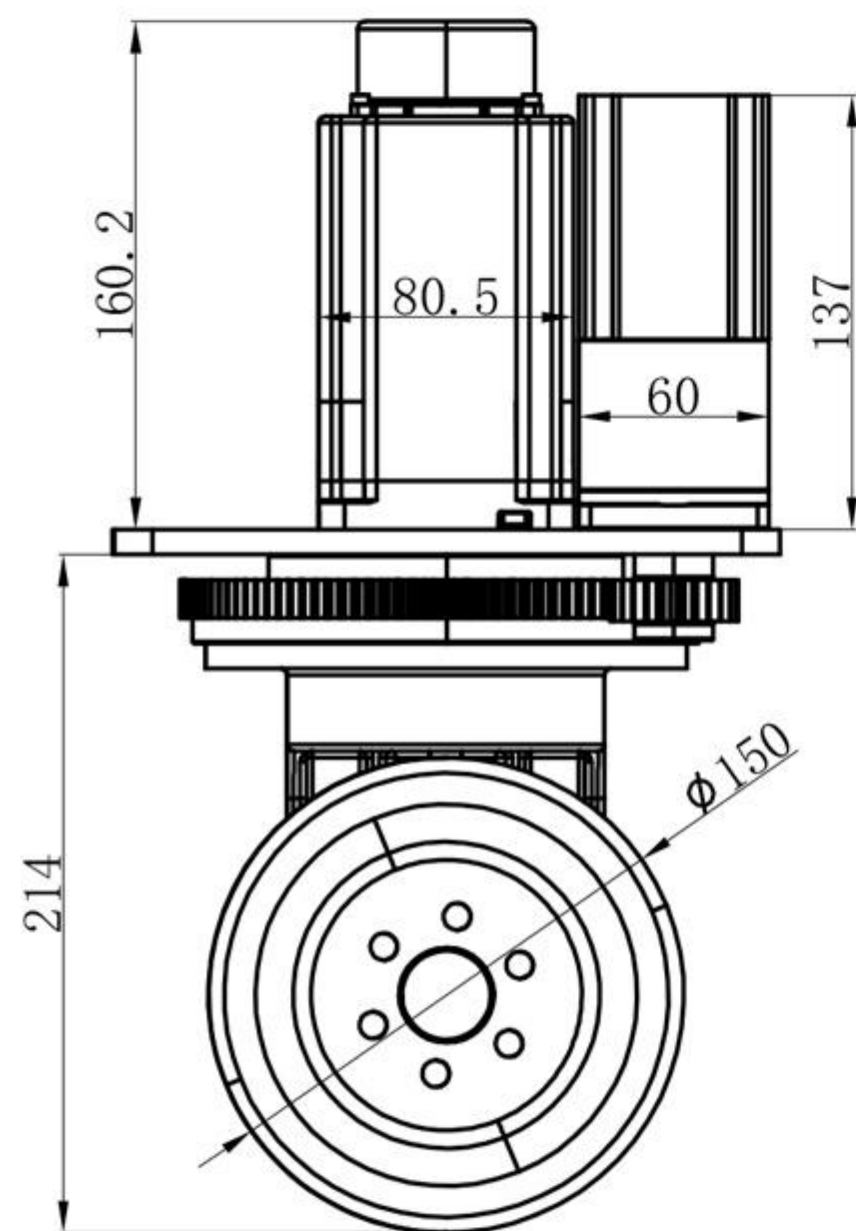
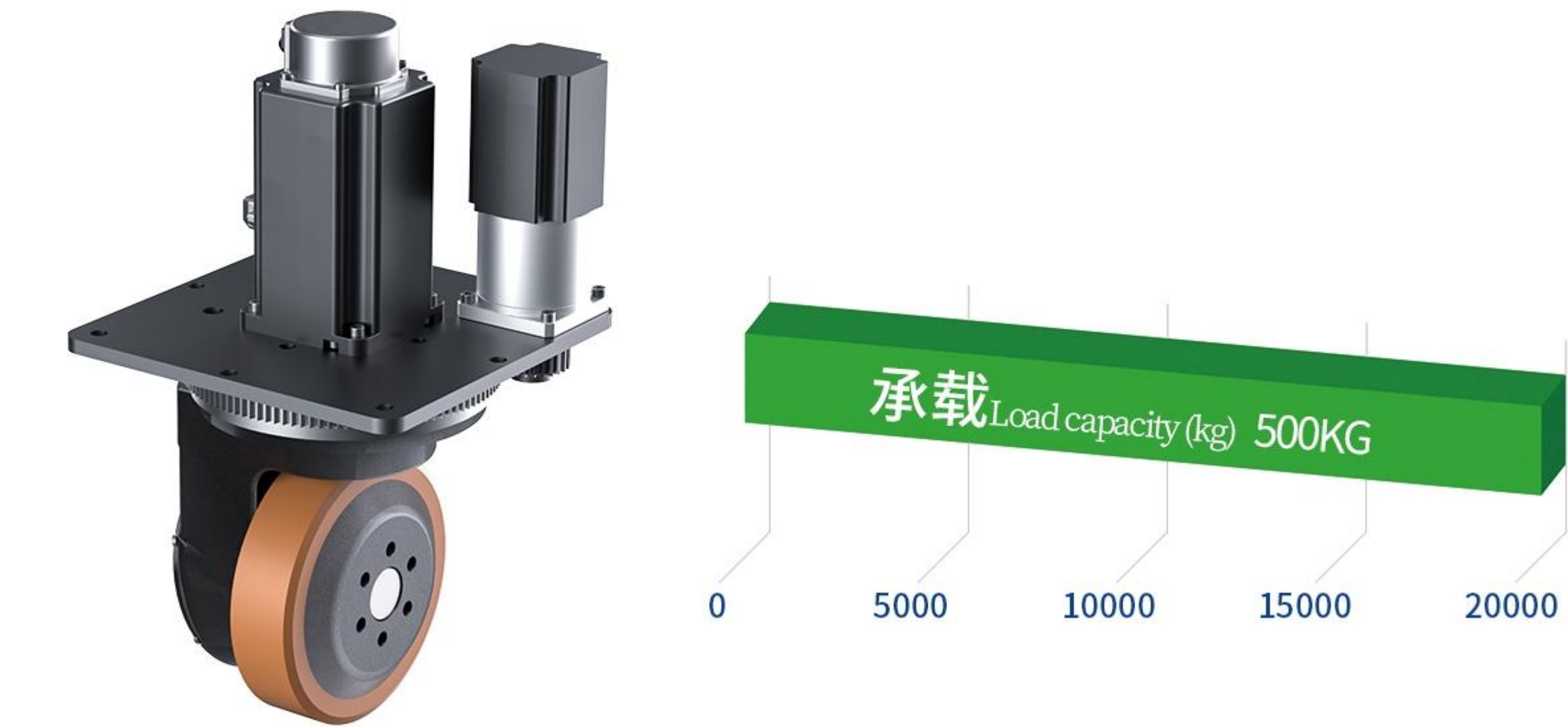
行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1500
电压 Voltage(V)	48
电流 Current(A)	35
转速 Speed(rpm)	3000
减速比 Ratio(i)	40
承载 Load capacity(kg)	1600
IP等级 IP grade	65

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



PLT-150P 舵轮 (Drive wheel)



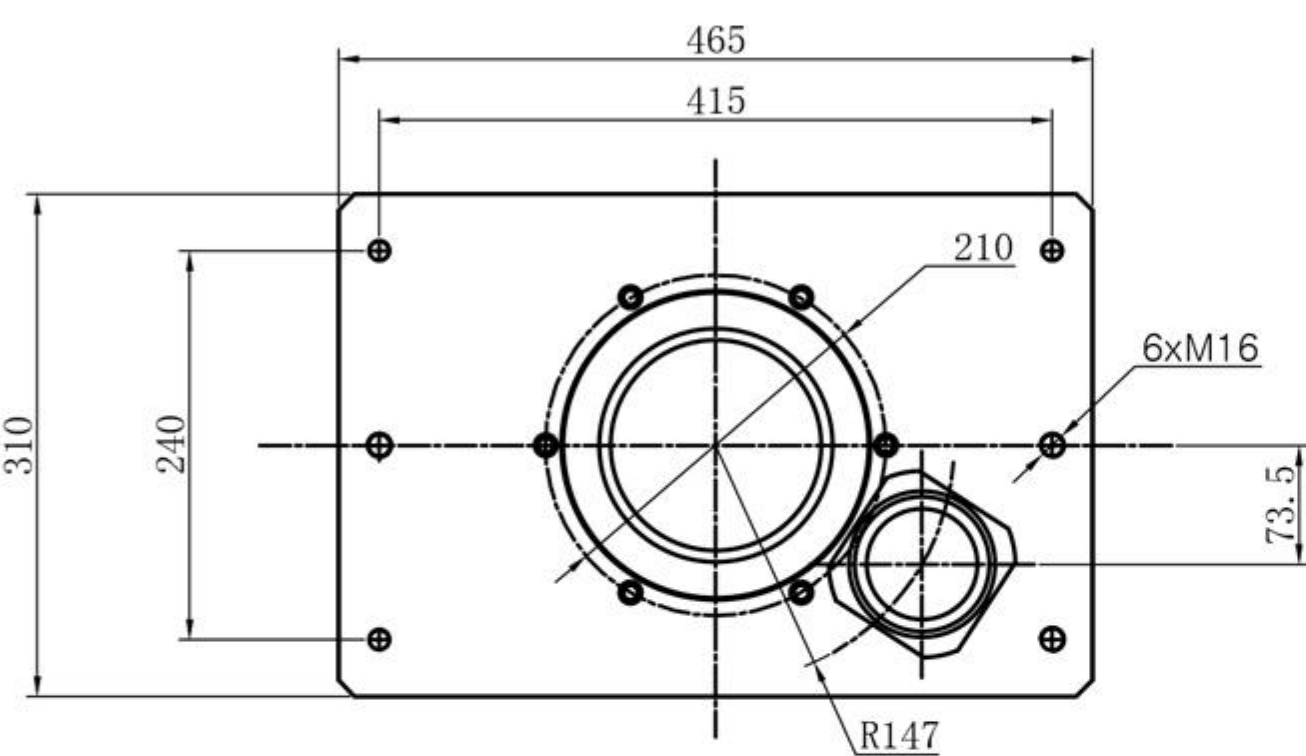
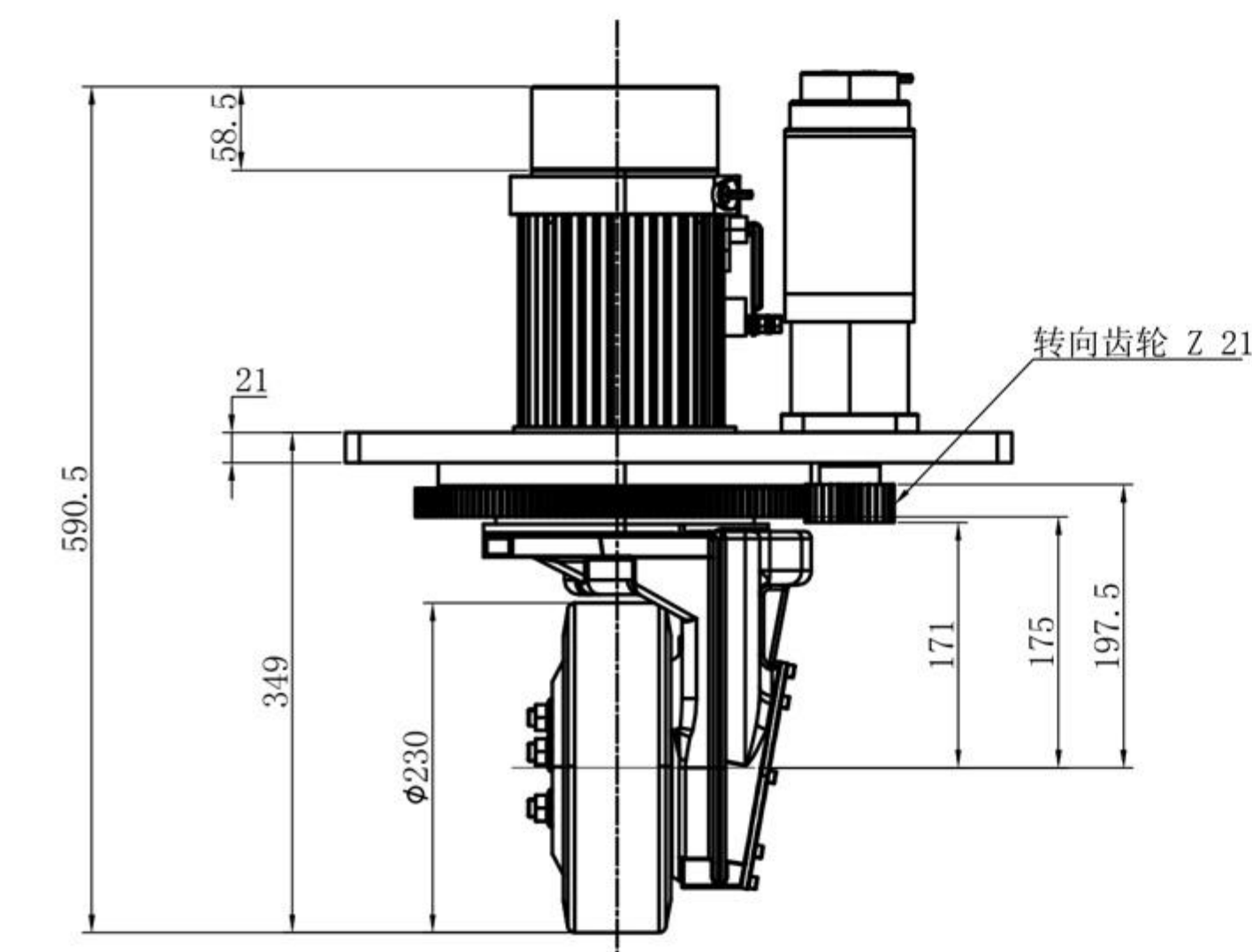
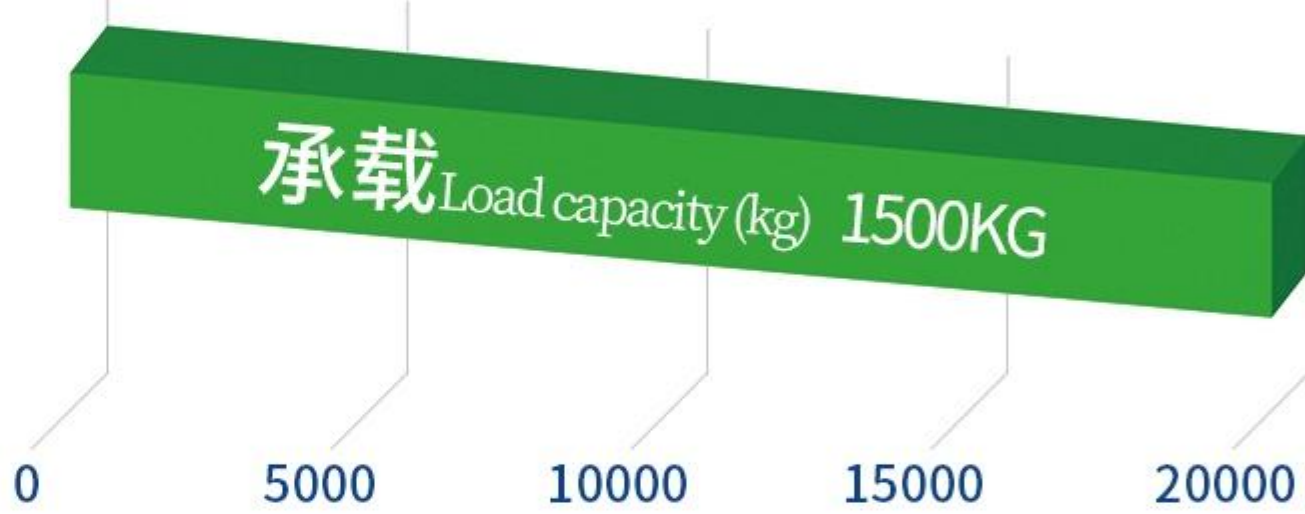
行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流 Current(A)	20
转速 Speed(rpm)	3000
减速比 Ratio(i)	22.5
承载 Load capacity(kg)	500
IP等级 IP grade	65

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



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)

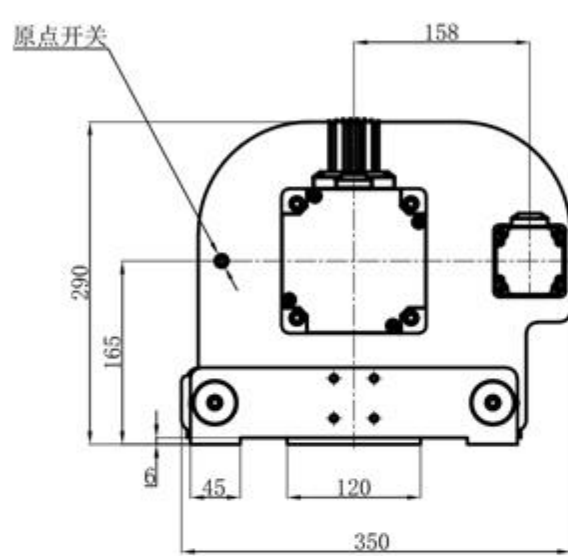
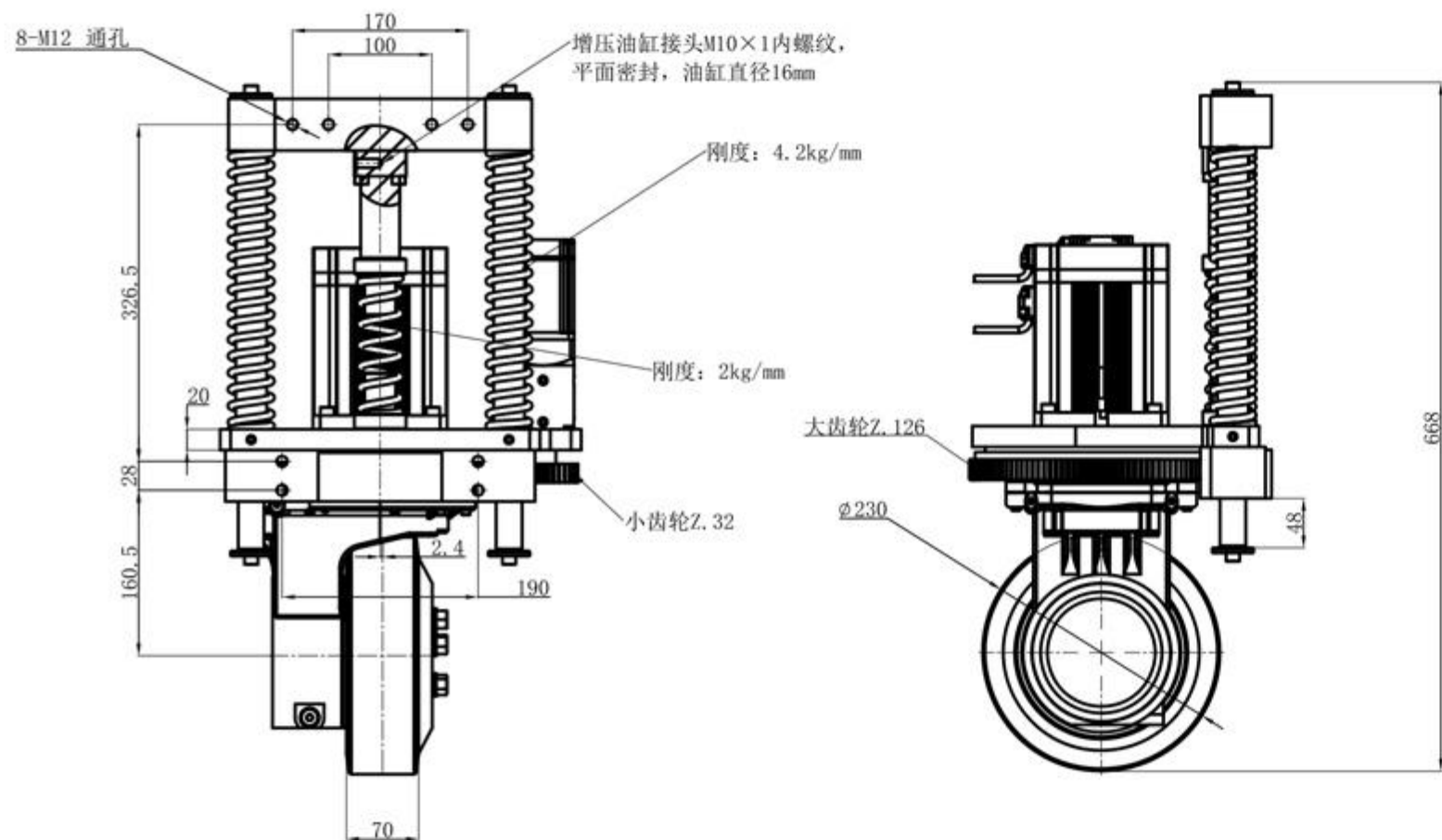
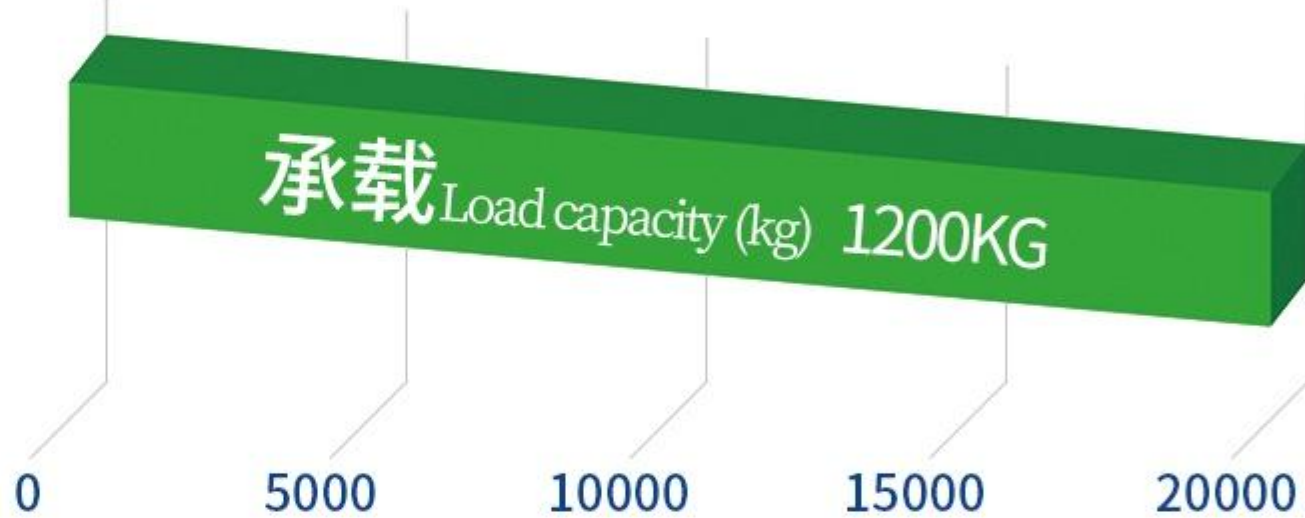
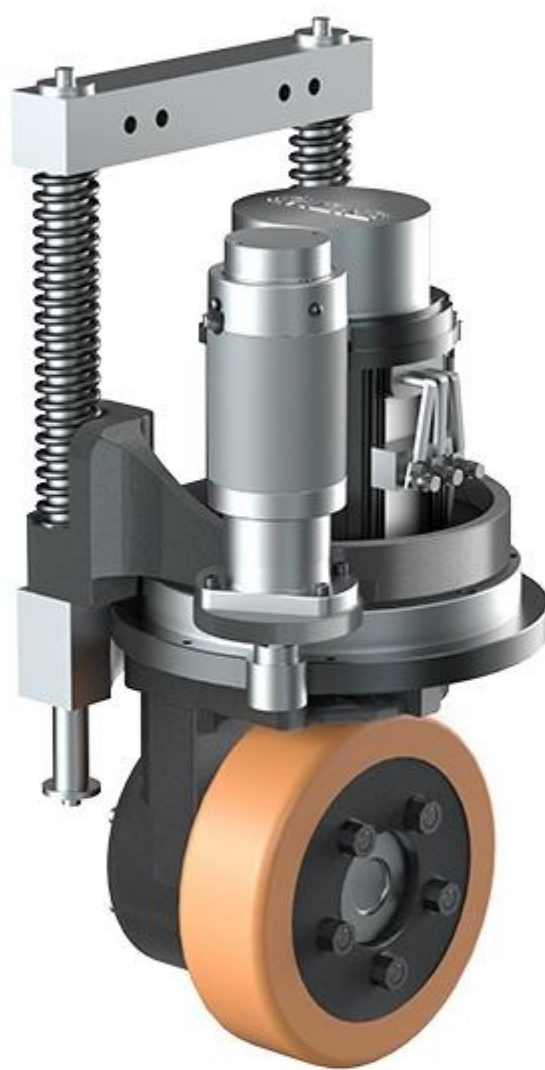
限位开关、原点开关、外置编码器、电位器

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)

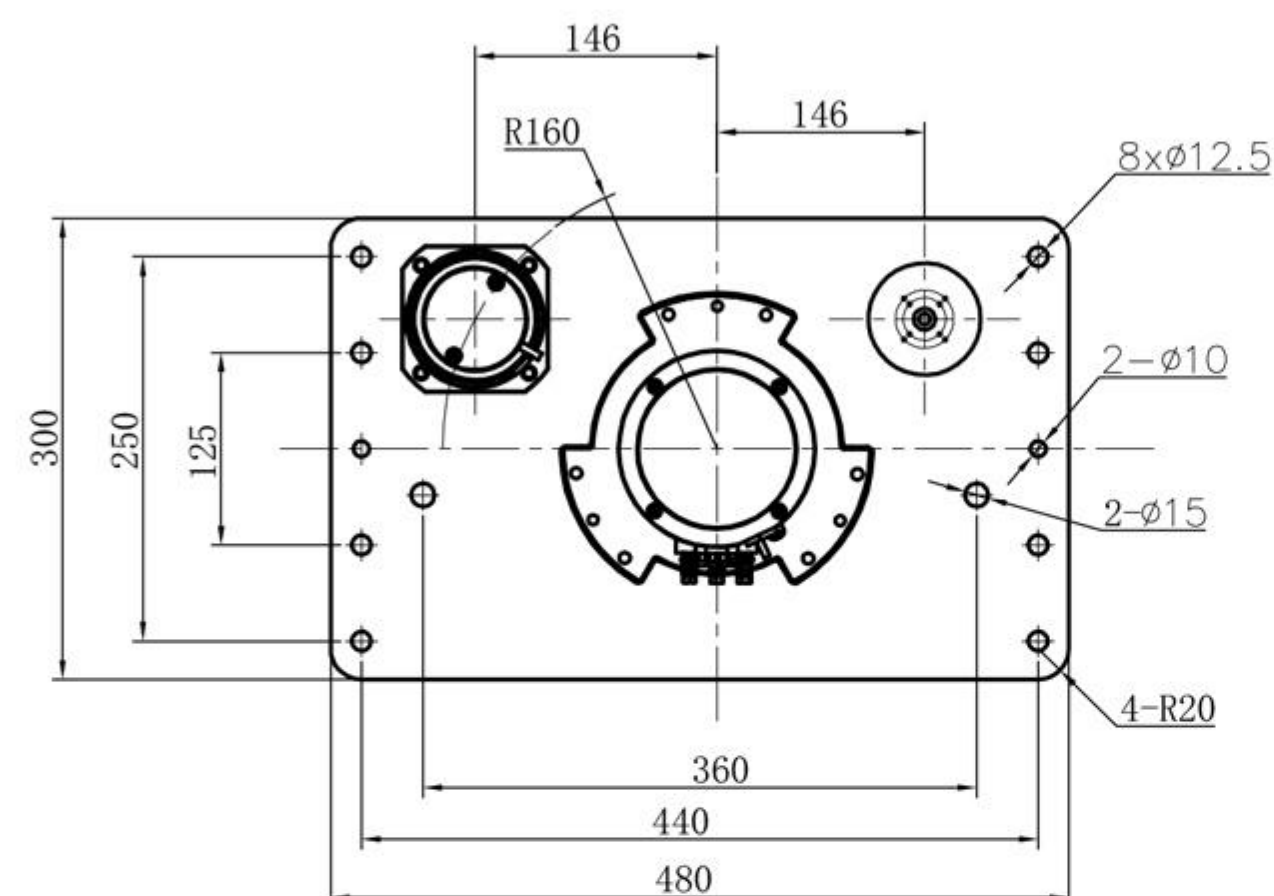
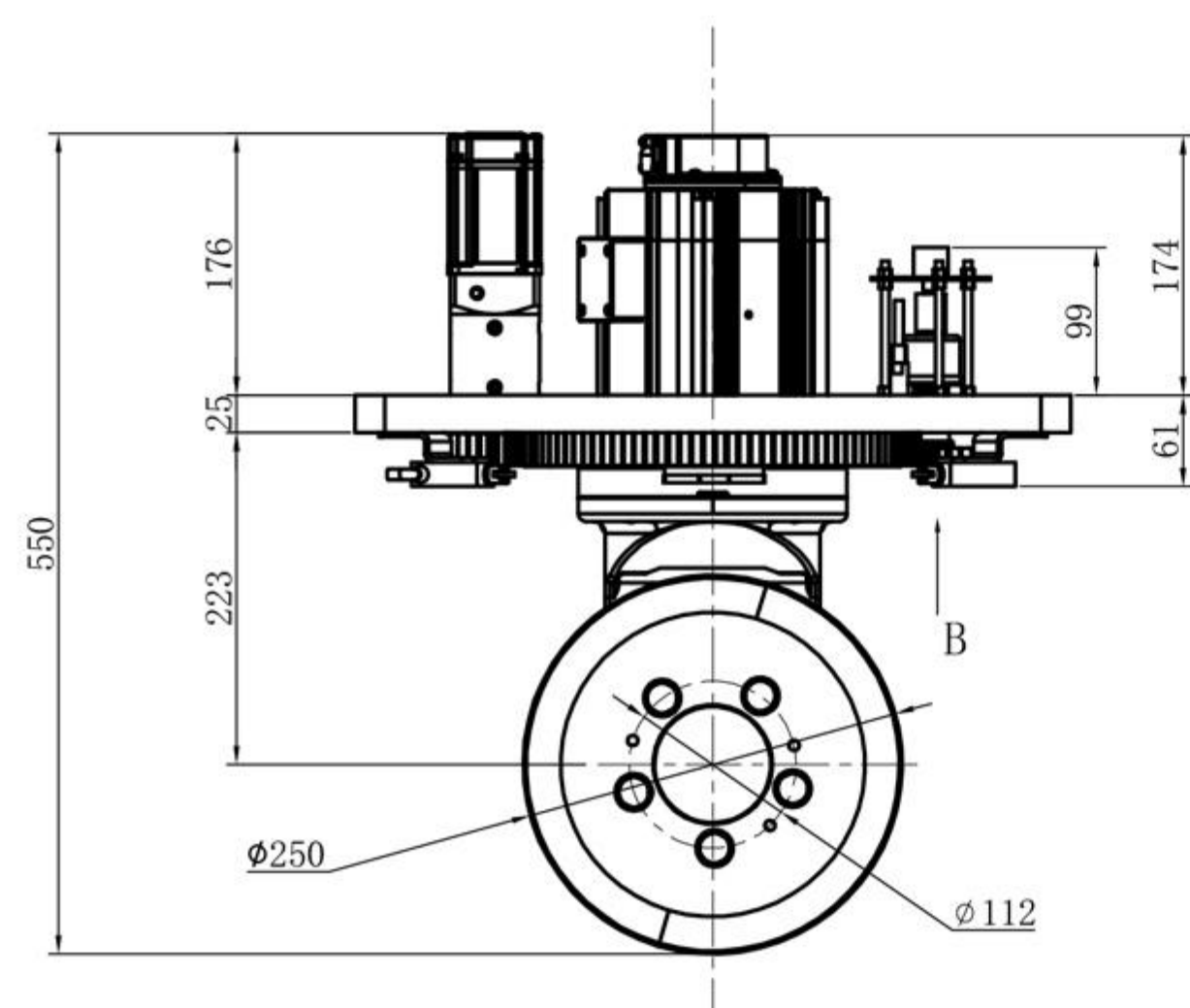
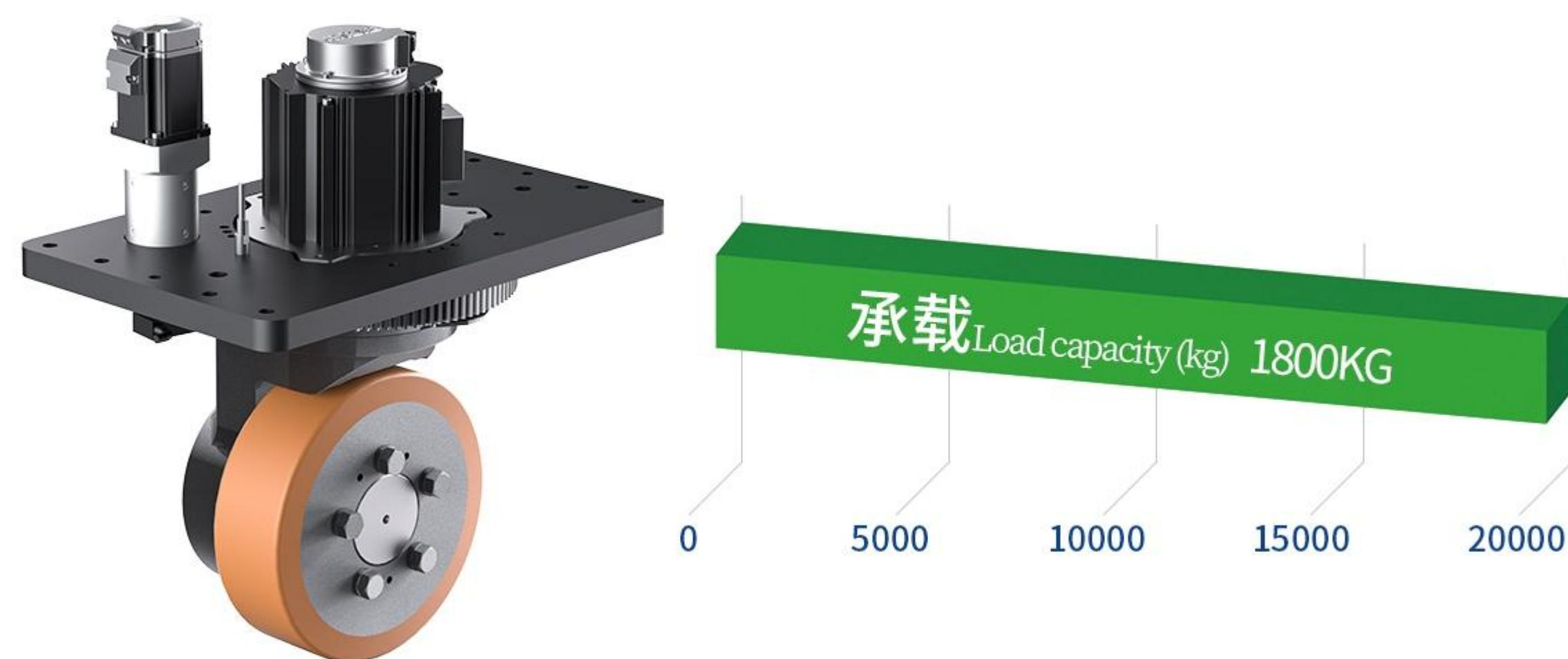
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT-250P 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)	1600/2500
电压 Voltage(V)	24/48
电流Current(A)	35/63/100
转速Speed(rpm)	2500
减速比Ratio(i)	19
承载Load capacity(kg)	1800
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)

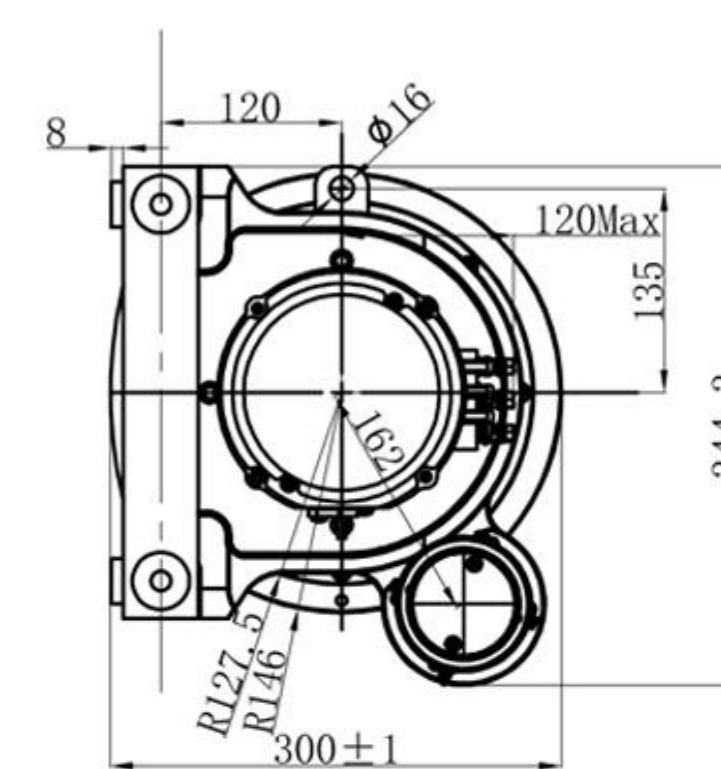
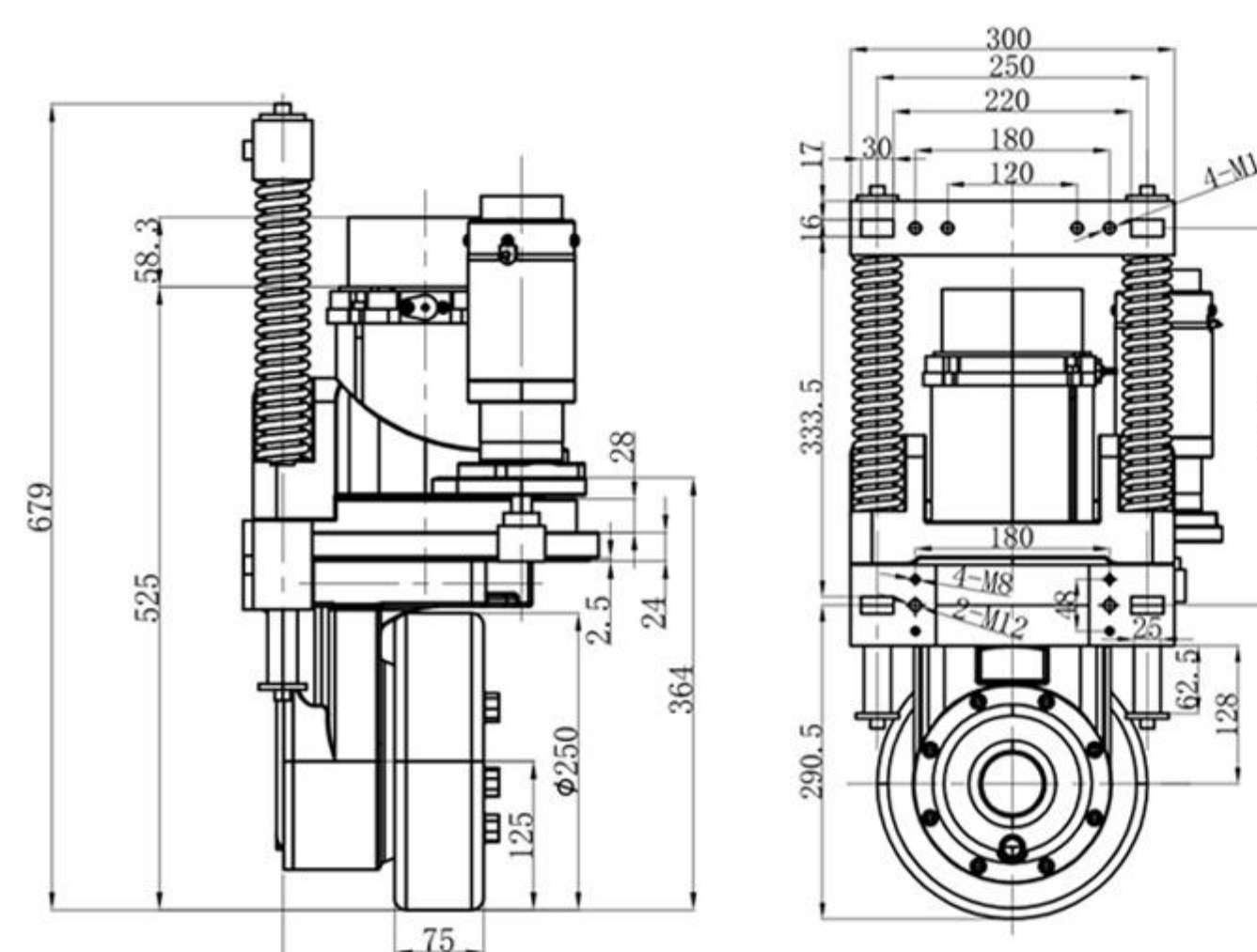
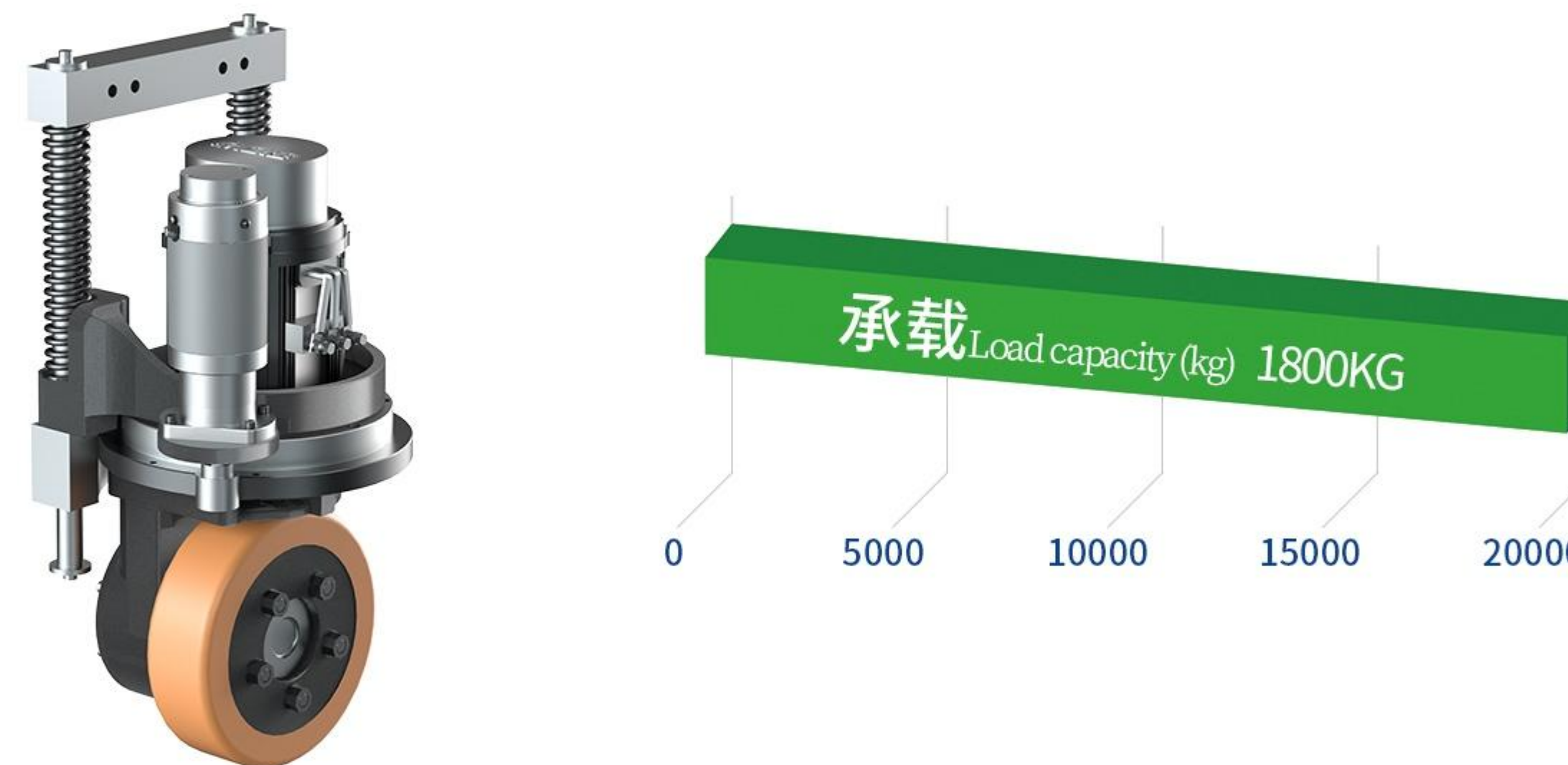
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT-250P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)	1600/2500
电压 Voltage(V)	24/48
电流Current(A)	35/63/100
转速Speed(rpm)	2500
减速比Ratio(i)	19
承载Load capacity(kg)	1800
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

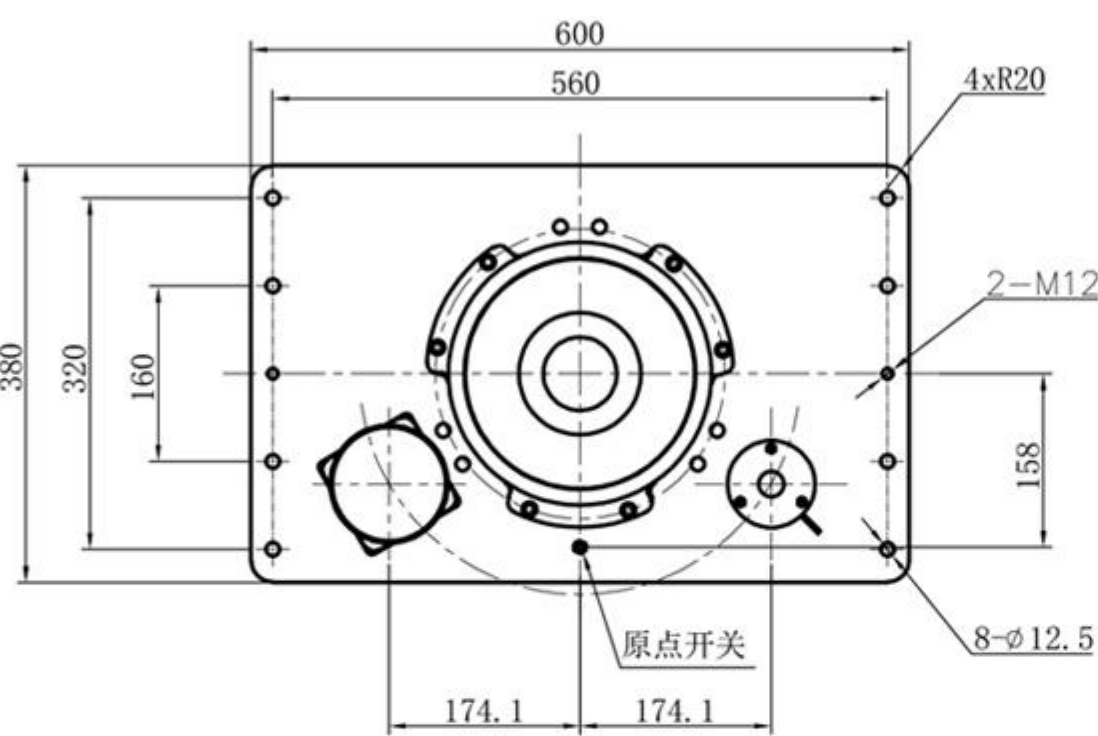
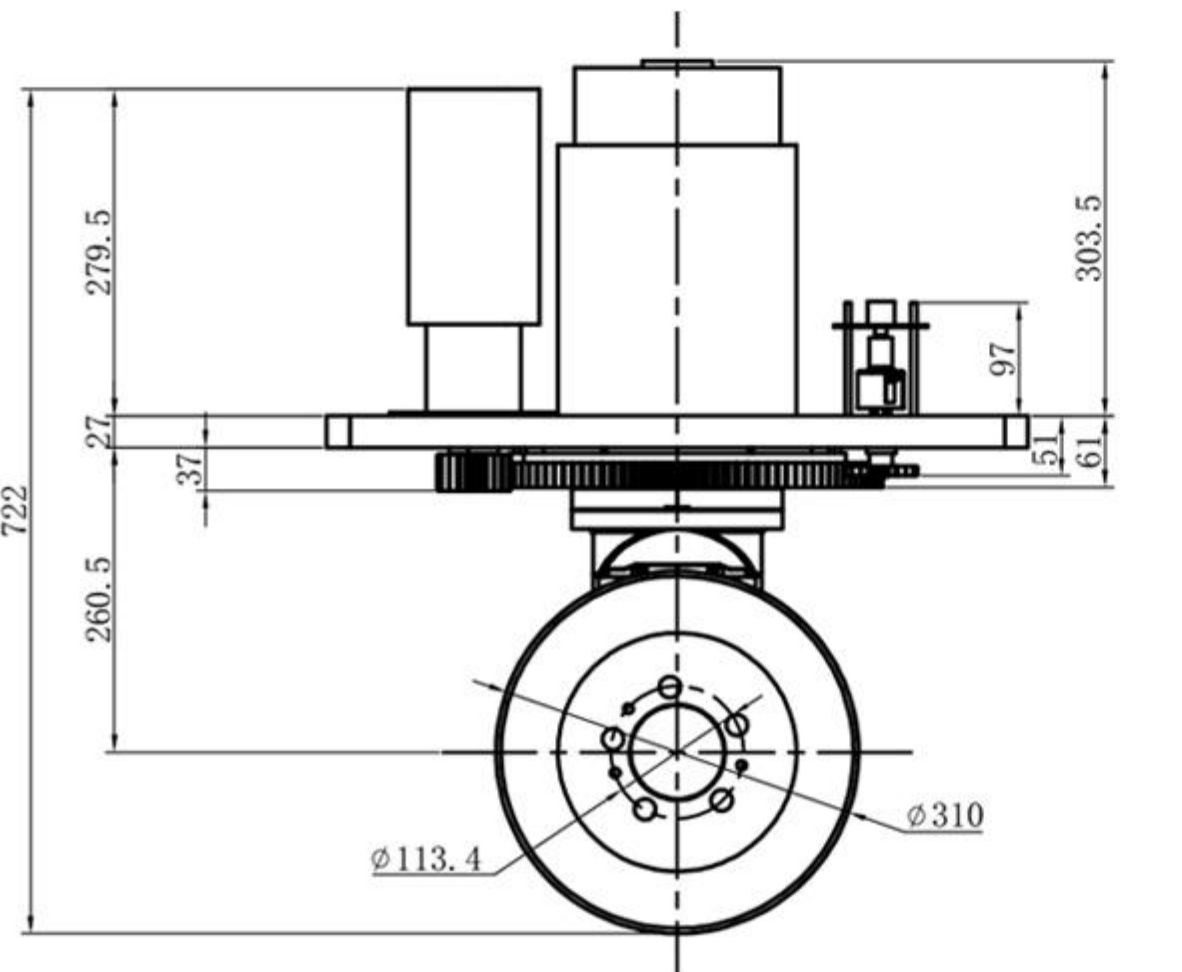
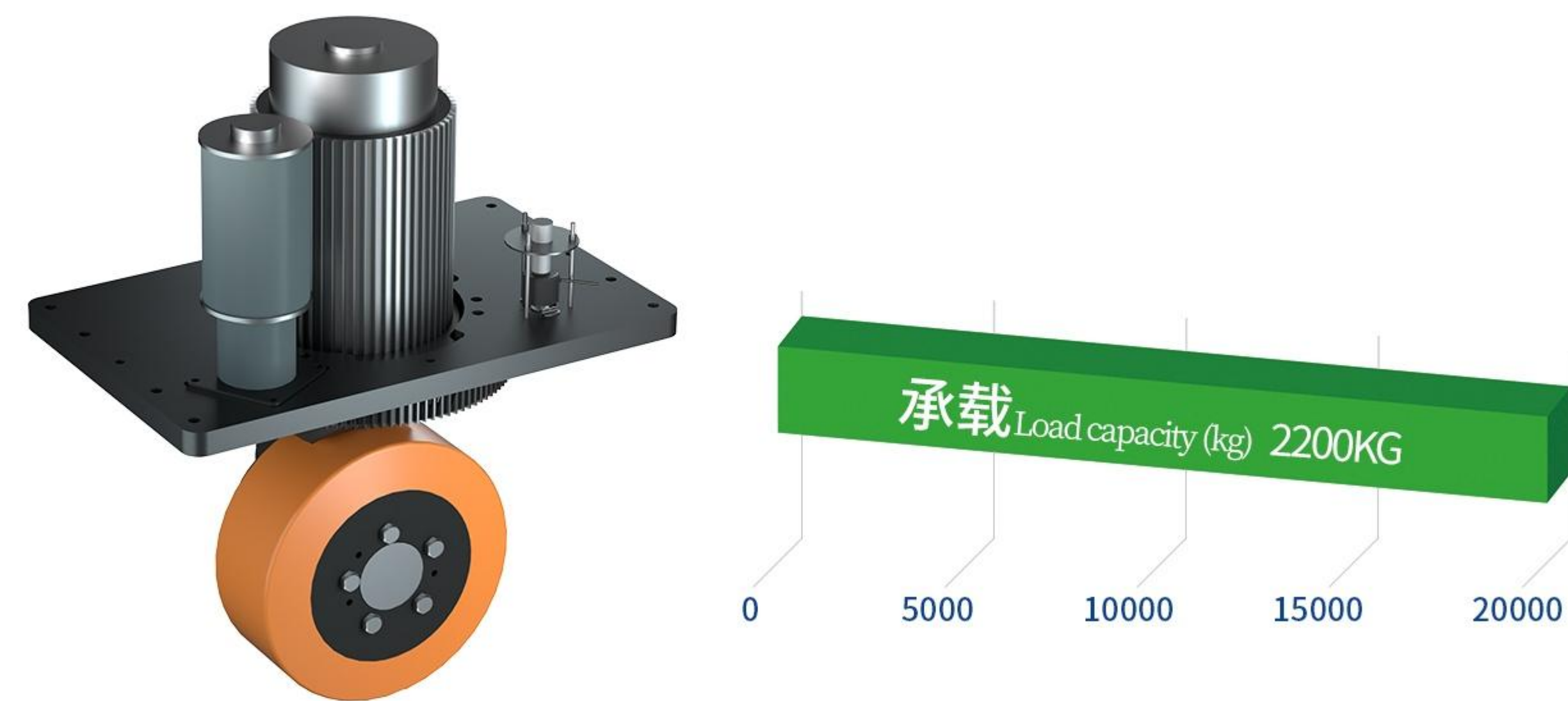
Limit Switch, Home Switch, External Encoder, Potentionmeter



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立式舵轮系列 Vertical Drive Wheel

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

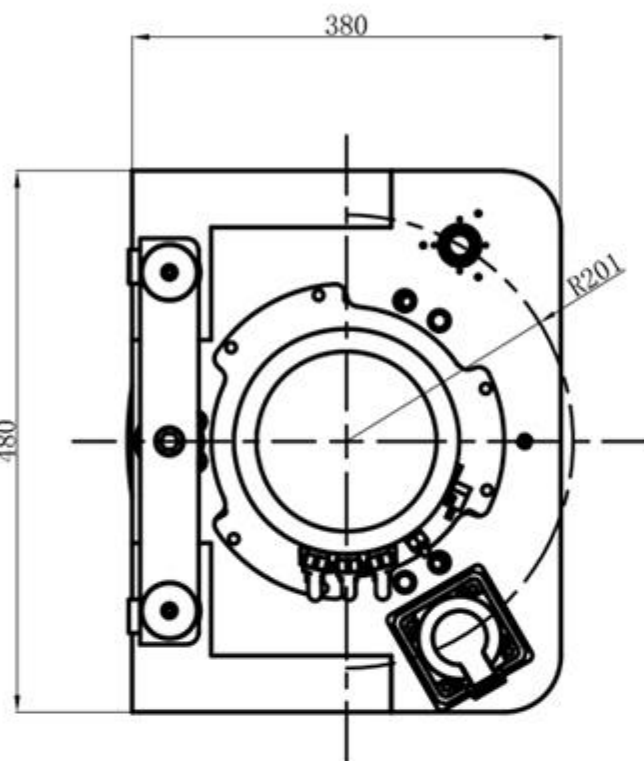
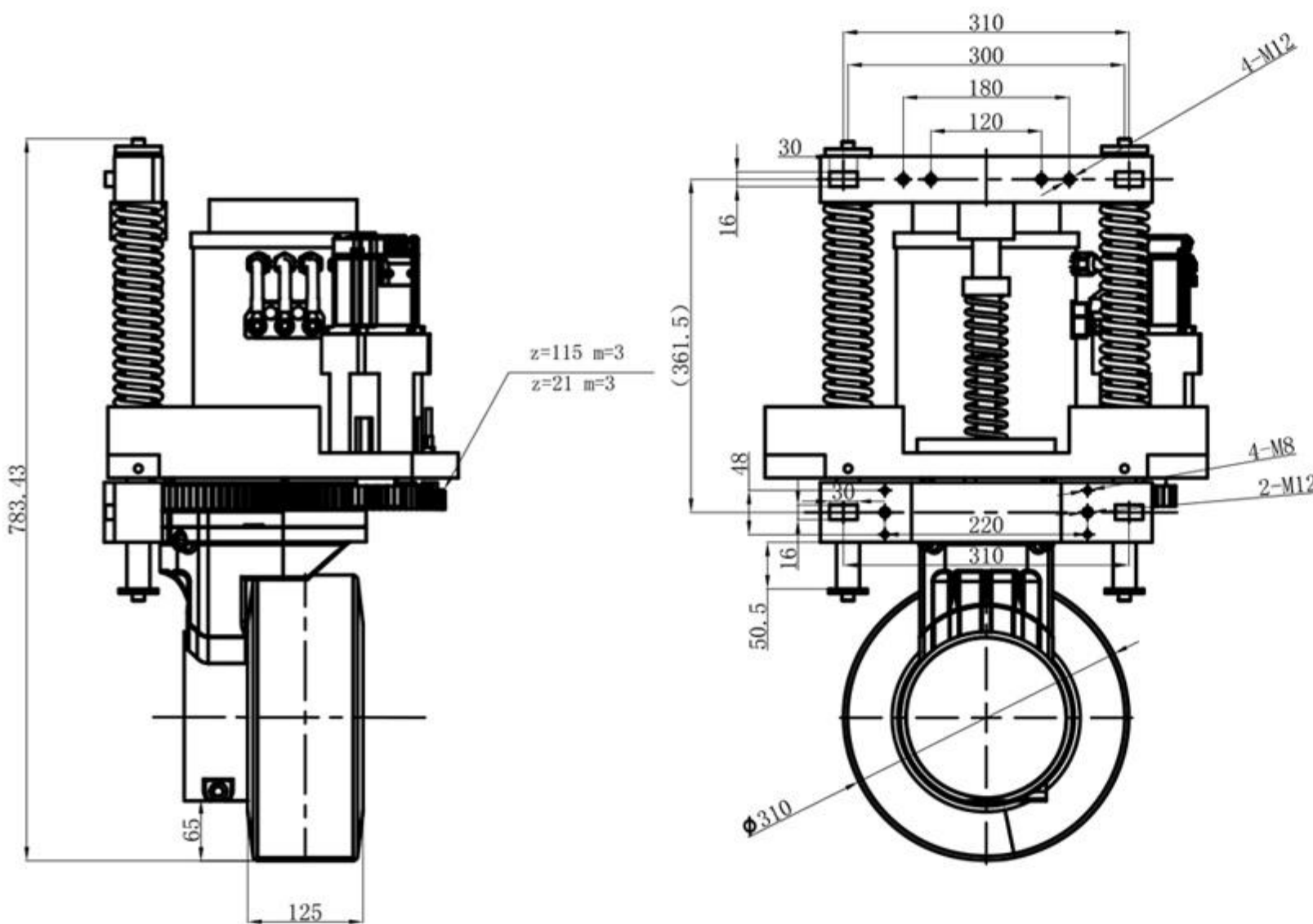
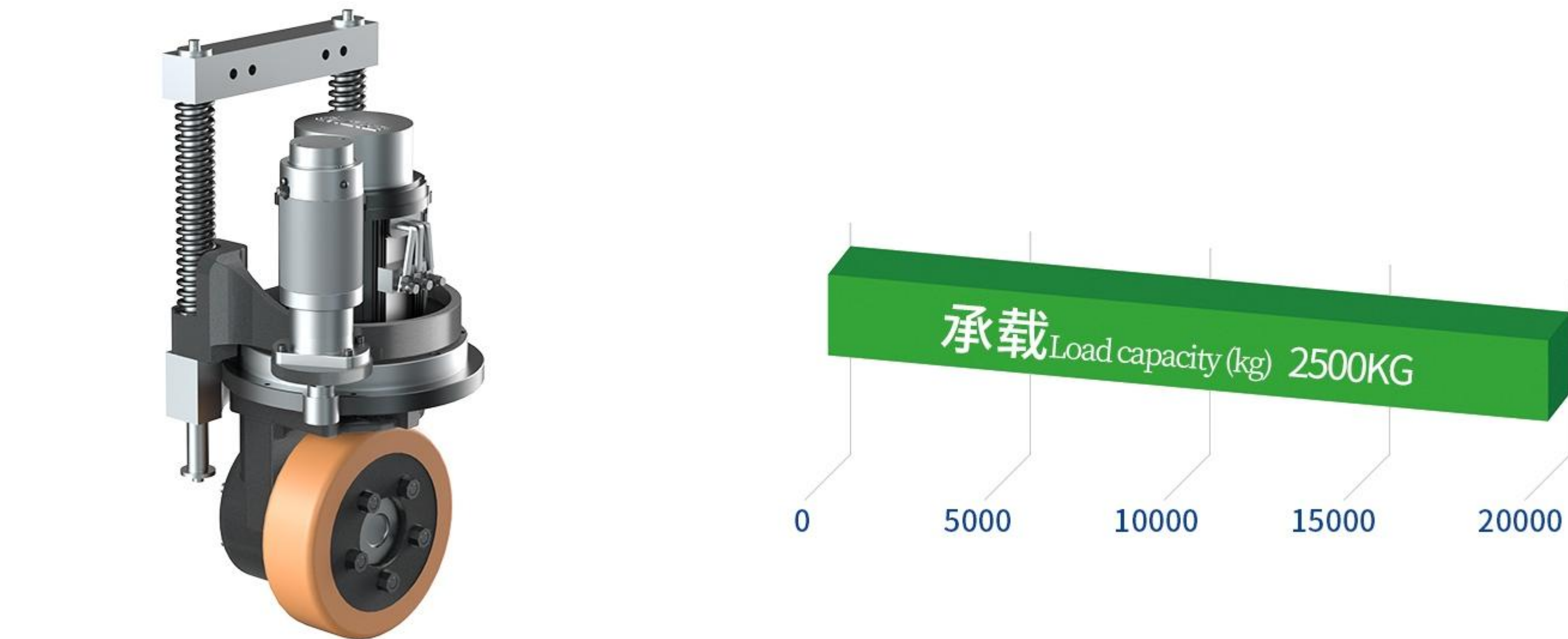
可选用配件:(Optional accessories)
限位开关、原点开关、外置编码器、电位器
Limit Switch、Home Switch、External Encoder、Potentionmeter



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立式舵轮系列 Vertical Drive Wheel

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

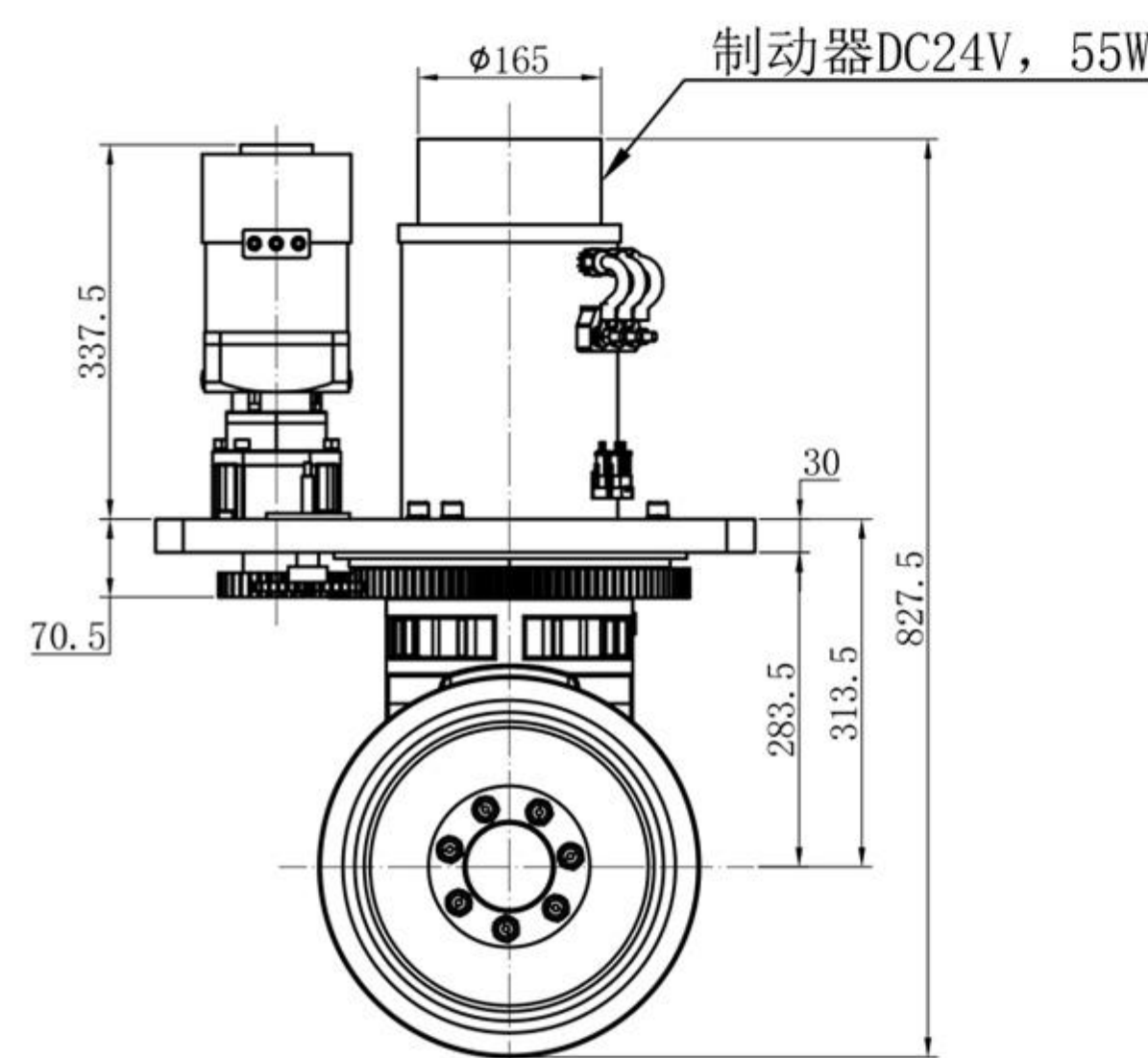
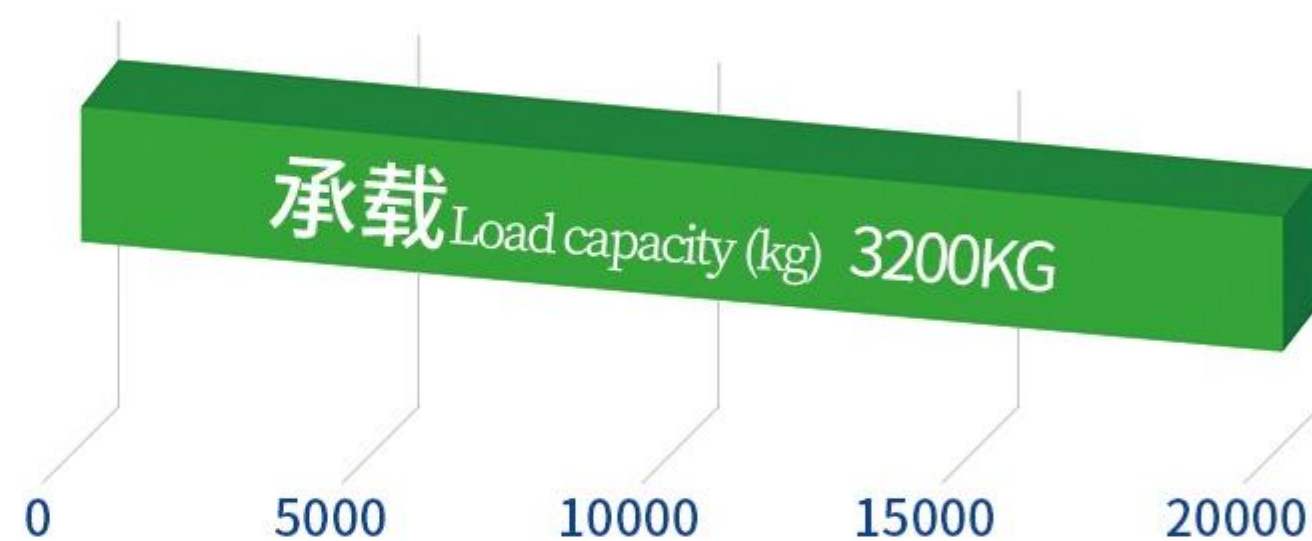
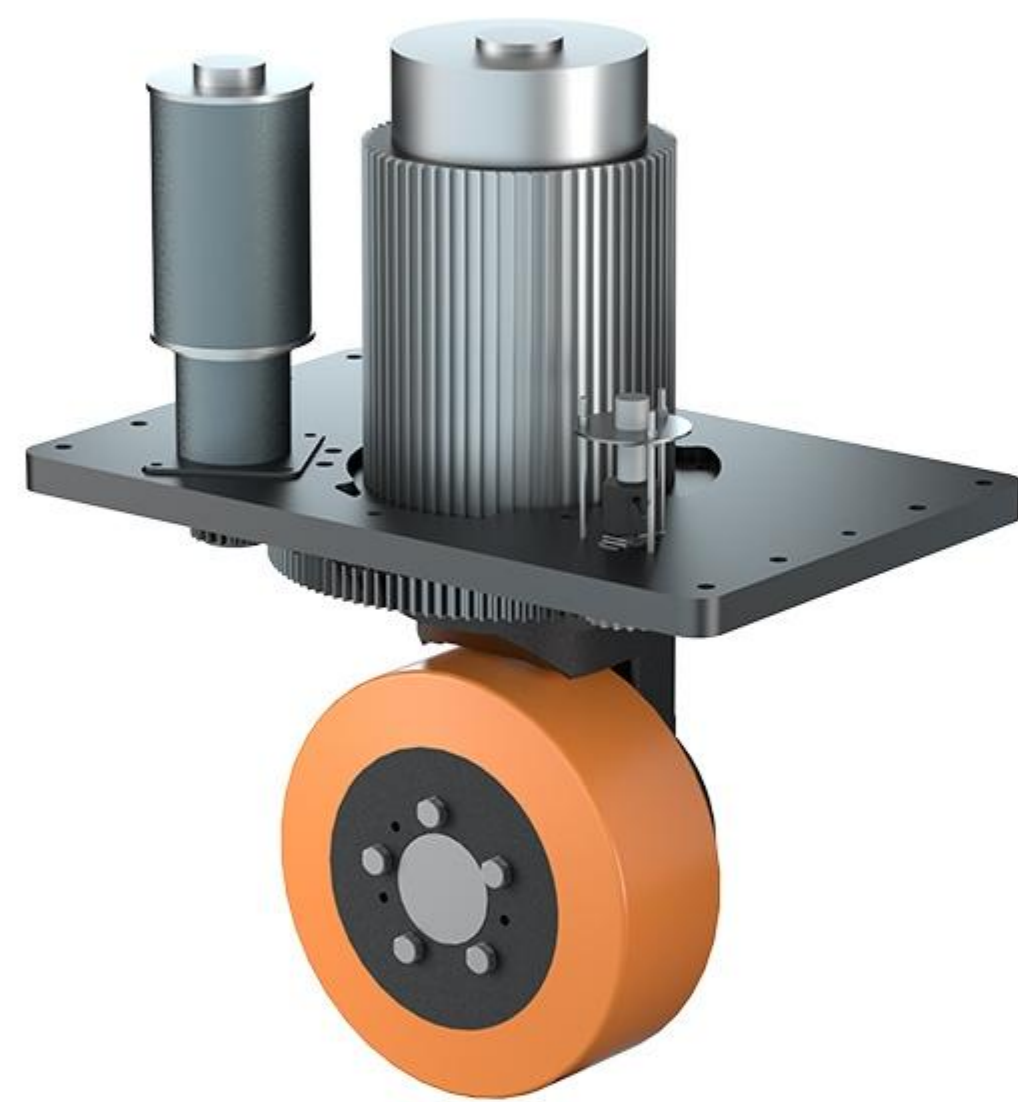
转向电机参数 Steering motor parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流Current(A)	19.9
转速Speed(rpm)	3000
减速比Ratio(i)	50
IP等级IP grade	65

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

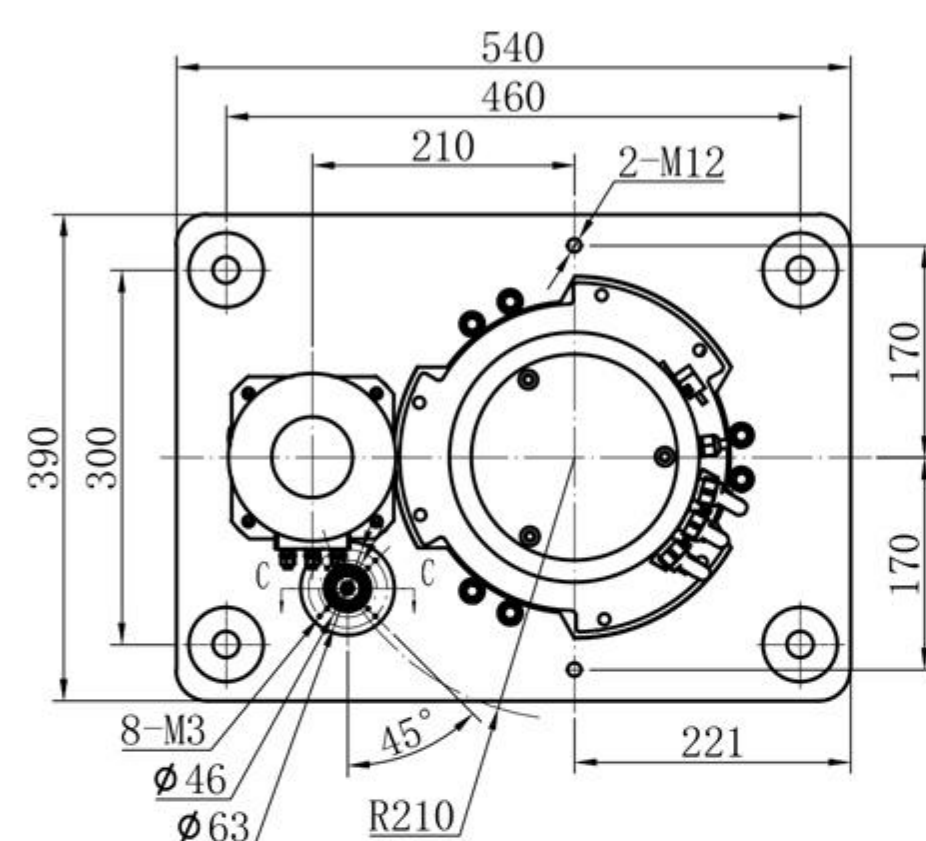


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PLT-343P 舵轮 (Drive wheel)



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)

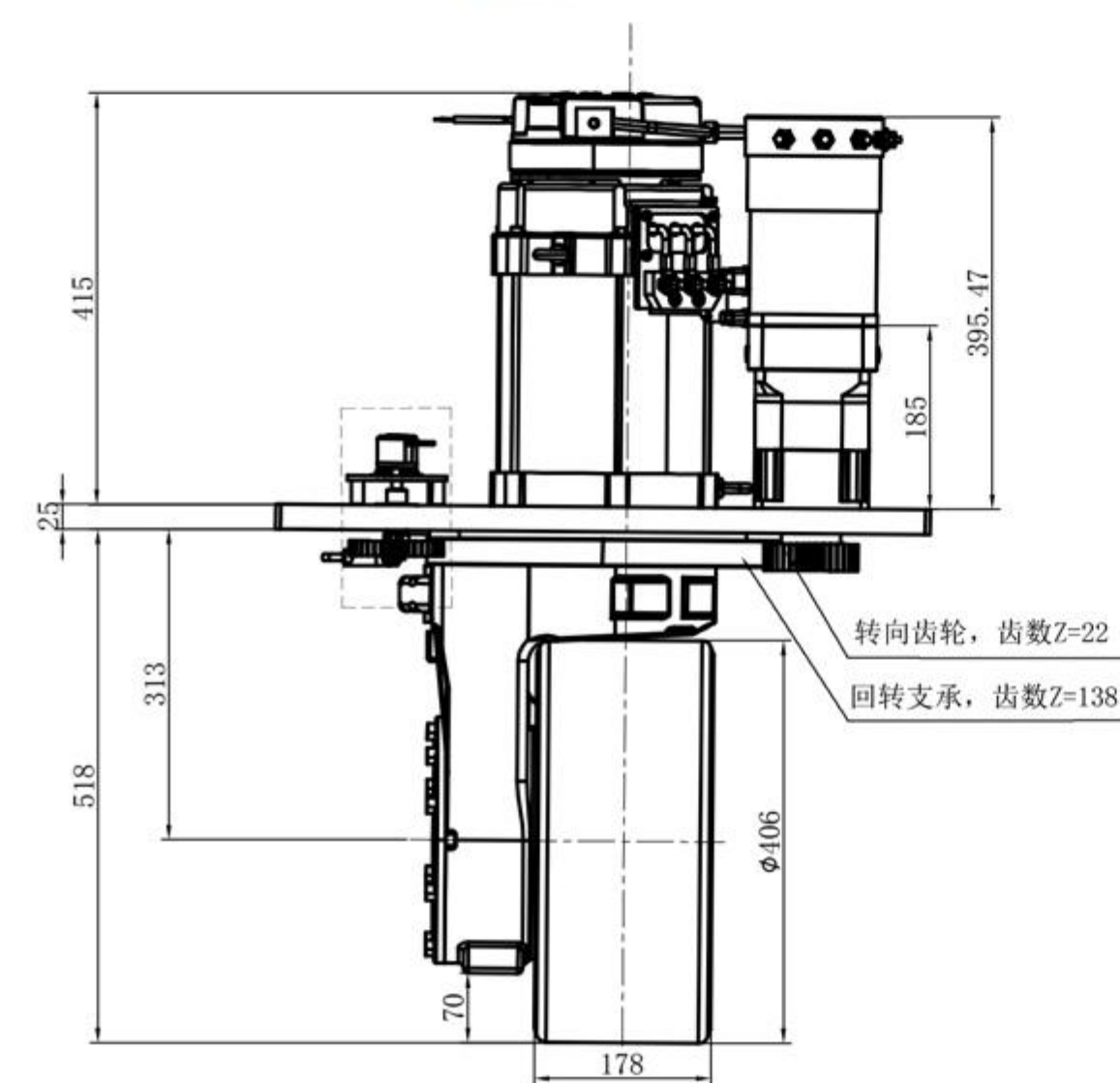
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter

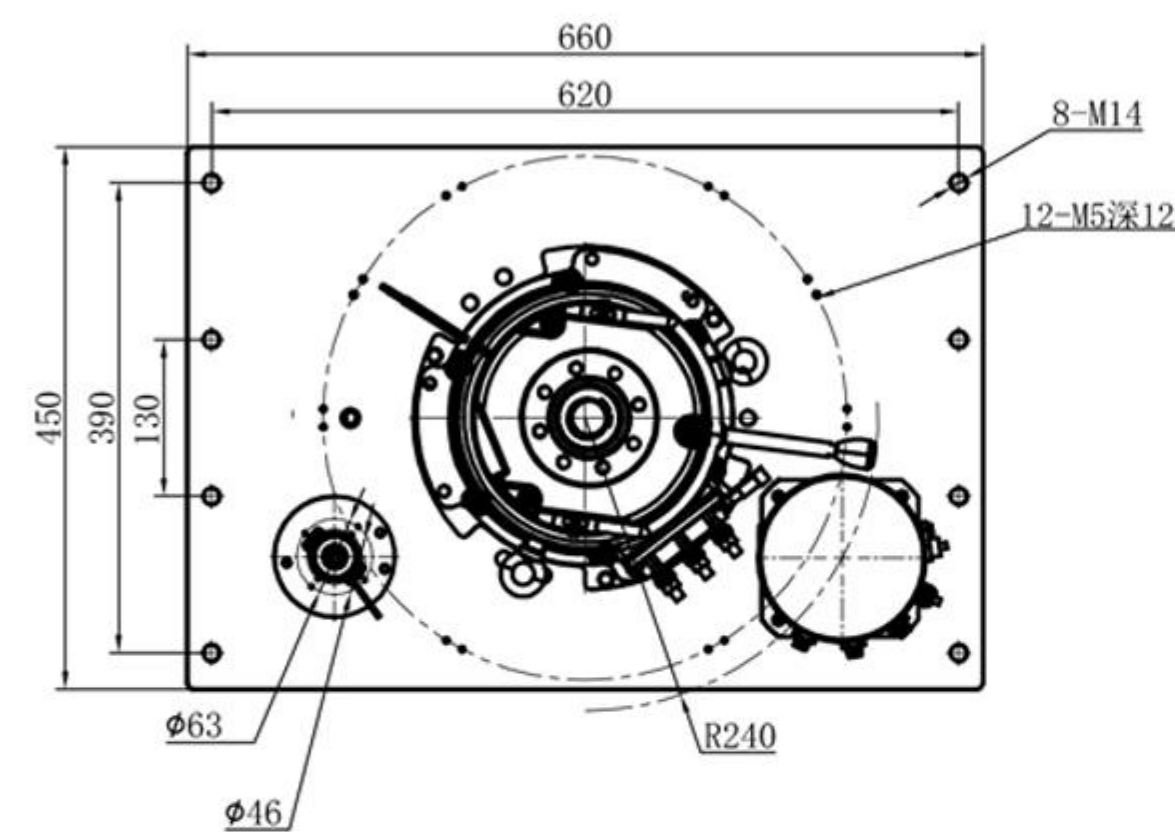


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PLT-406P 舵轮 (Drive wheel)



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)

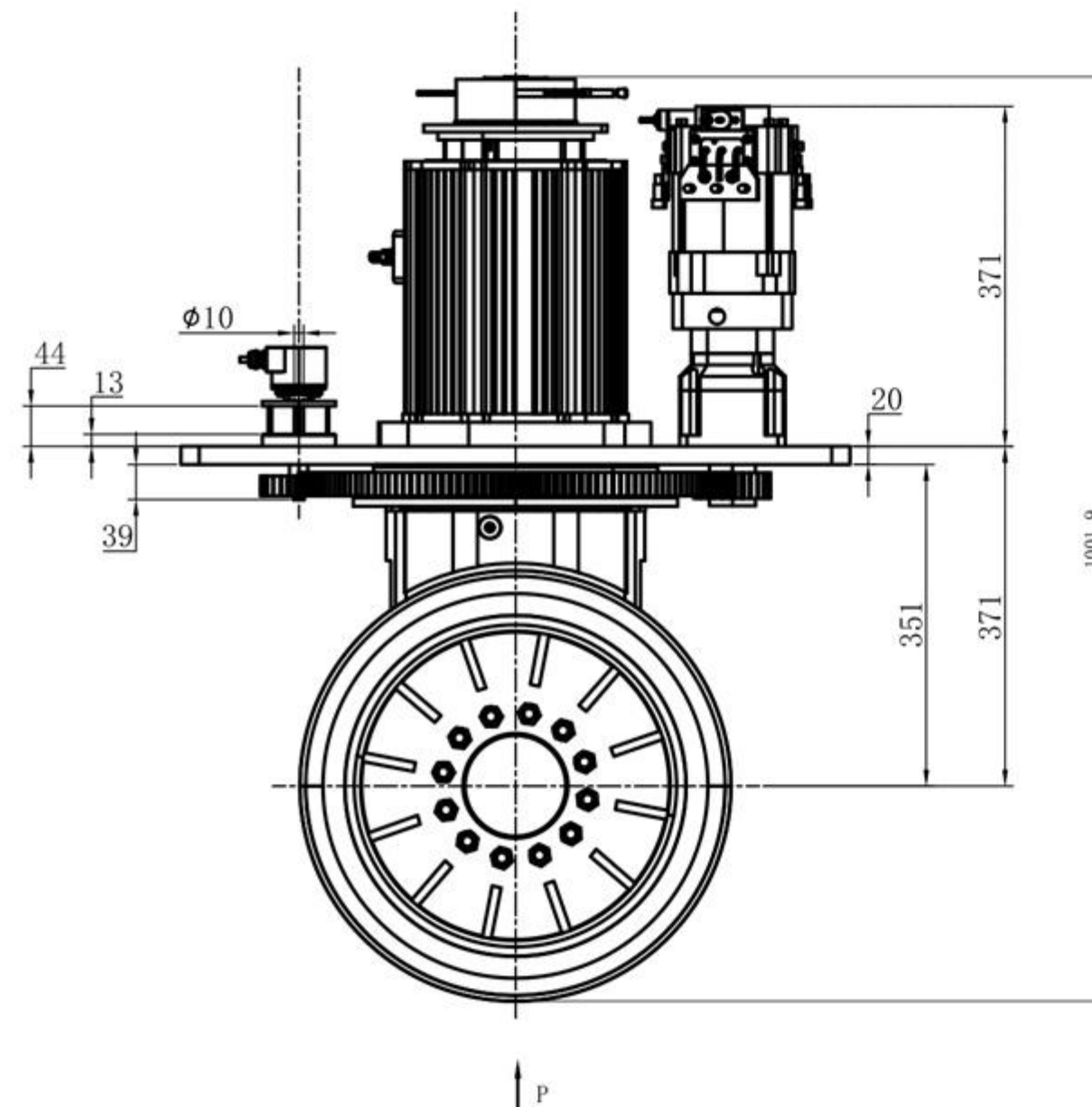
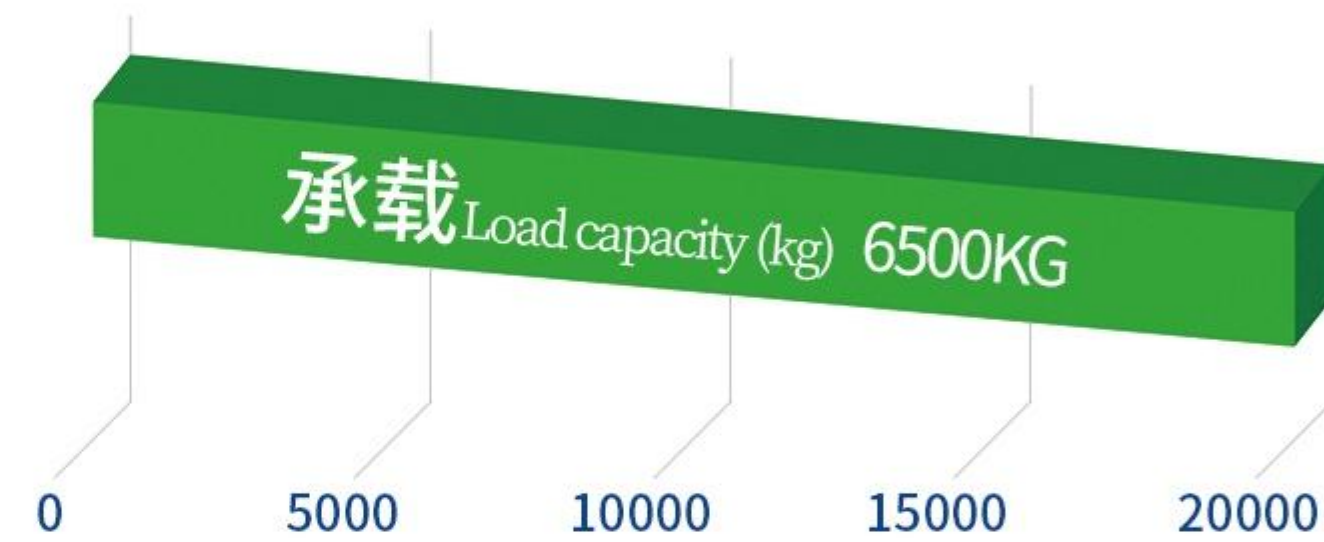
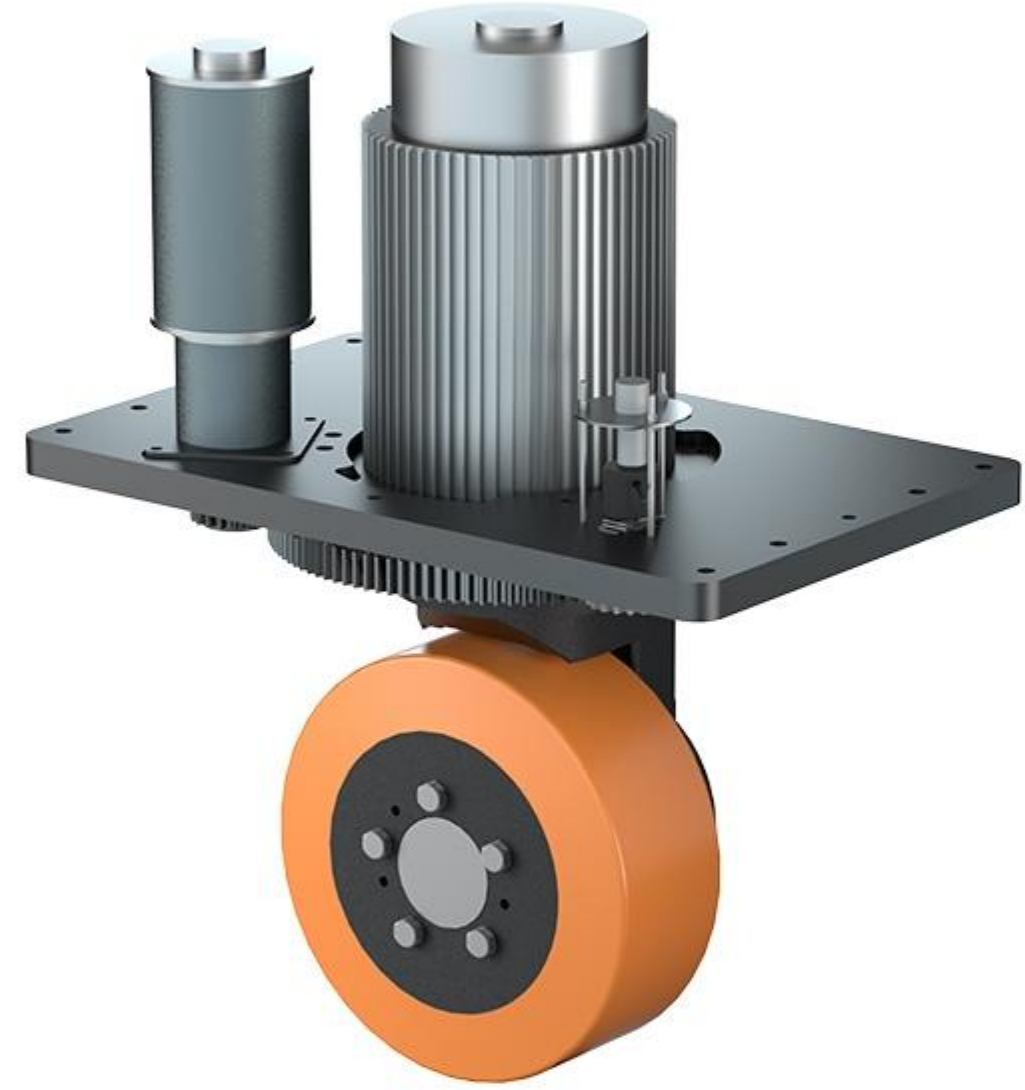
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



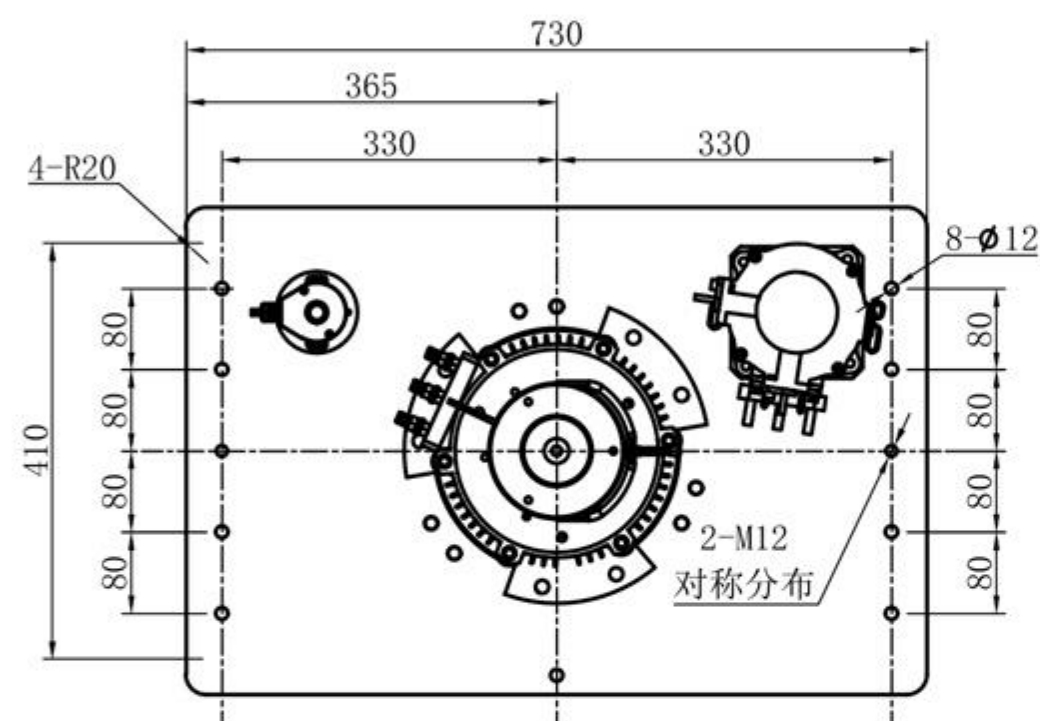
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PLT-457P 舵轮 (Drive wheel)



行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	10000
电压 Voltage(V)	80
电流Current(A)	156
转速Speed(rpm)	1200
减速比Ratio(i)	23.32
承载Load capacity(kg)	6500
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)	2000
电压 Voltage(V)	80
电流Current(A)	35
转速Speed(rpm)	3000
减速比Ratio(i)	50
IP等级IP grade	54



可选用配件:(Optional accessories)

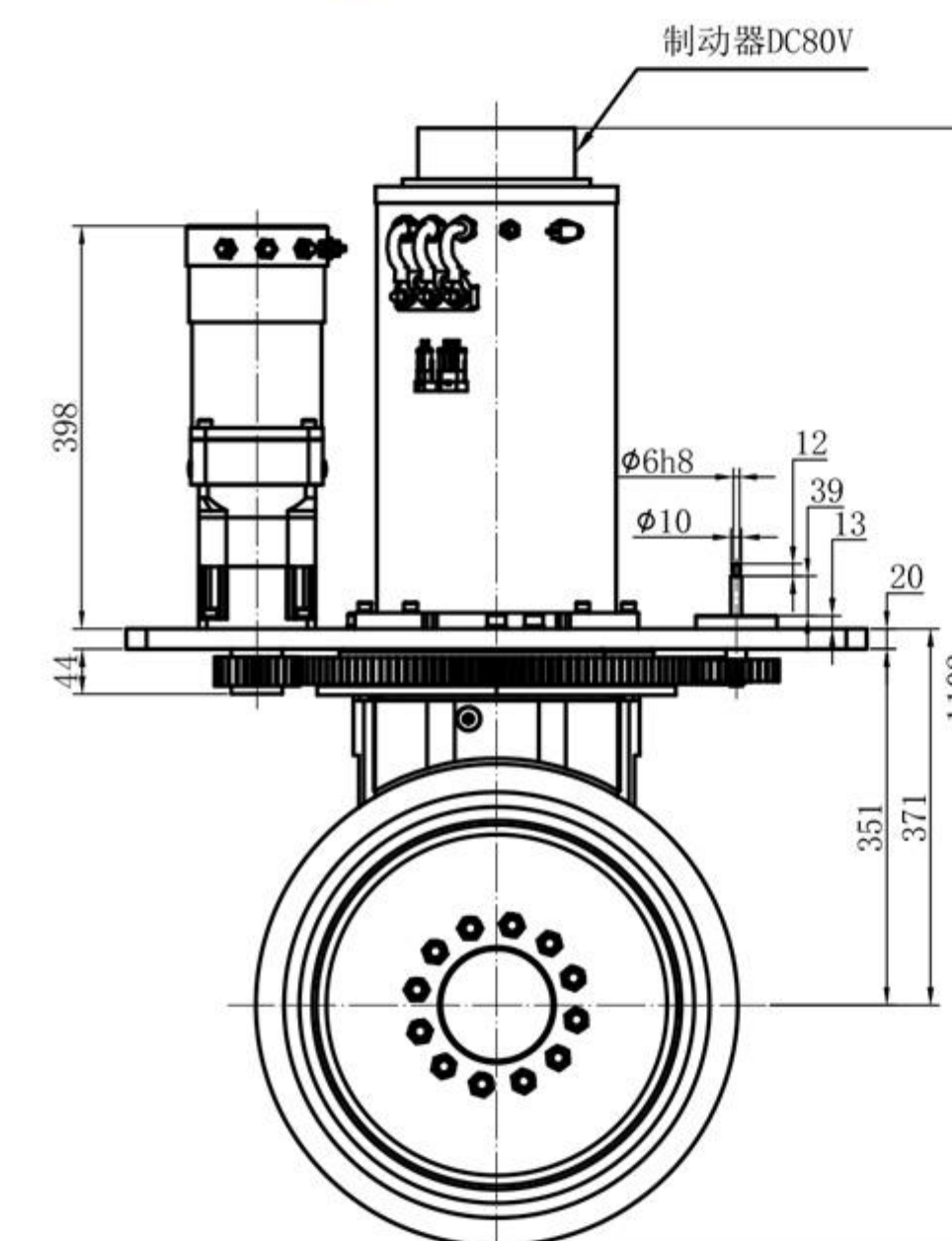
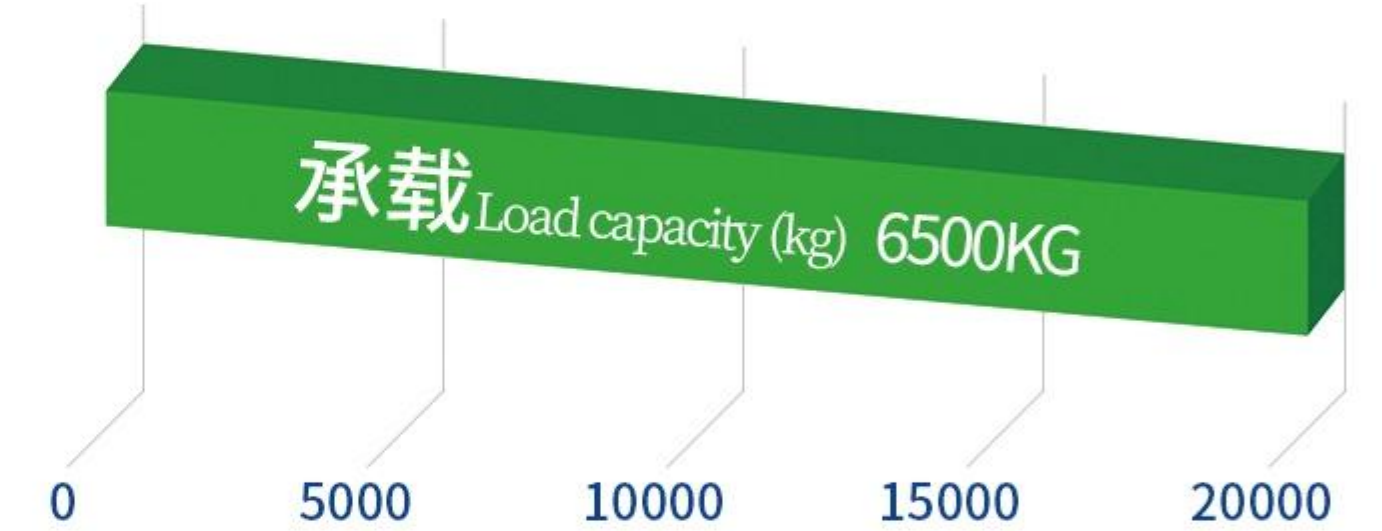
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



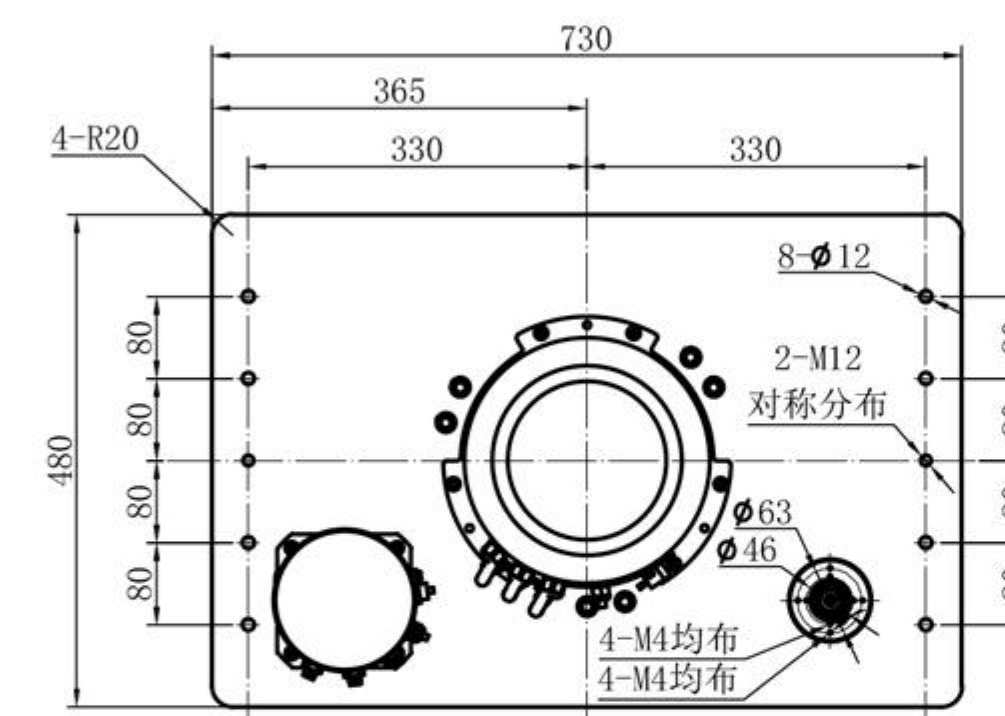
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PLT-470P 舵轮 (Drive wheel)



行走轮部分参数 Traction parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	10000
电压 Voltage(V)	80
电流Current(A)	142
转速Speed(rpm)	1200
减速比Ratio(i)	25
承载 Load capacity(kg)	6500
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)	3000
电压 Voltage(V)	80
电流Current(A)	43
转速Speed(rpm)	1500
减速比Ratio(i)	50
IP等级IP grade	65



可选用配件:(Optional accessories)

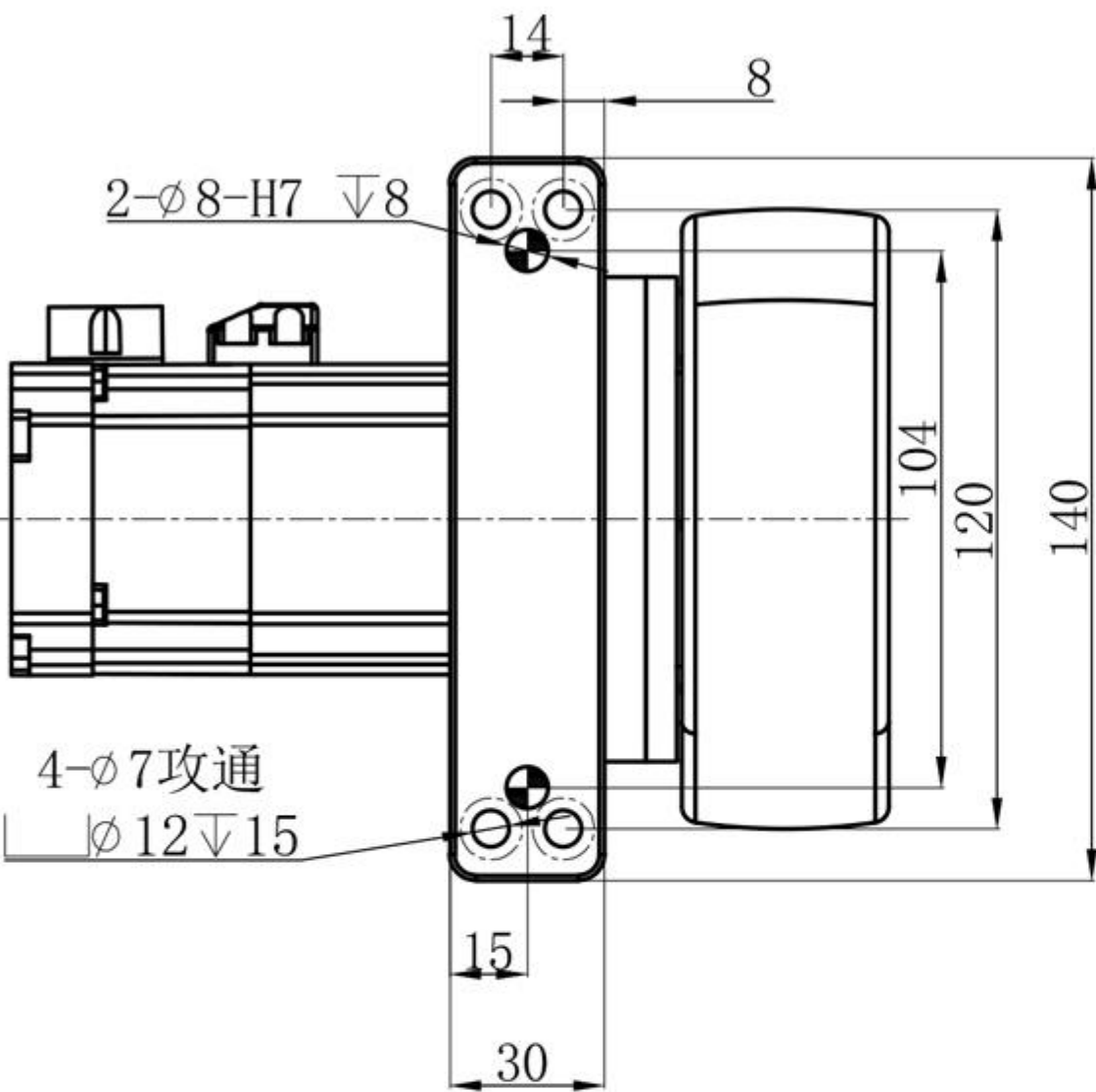
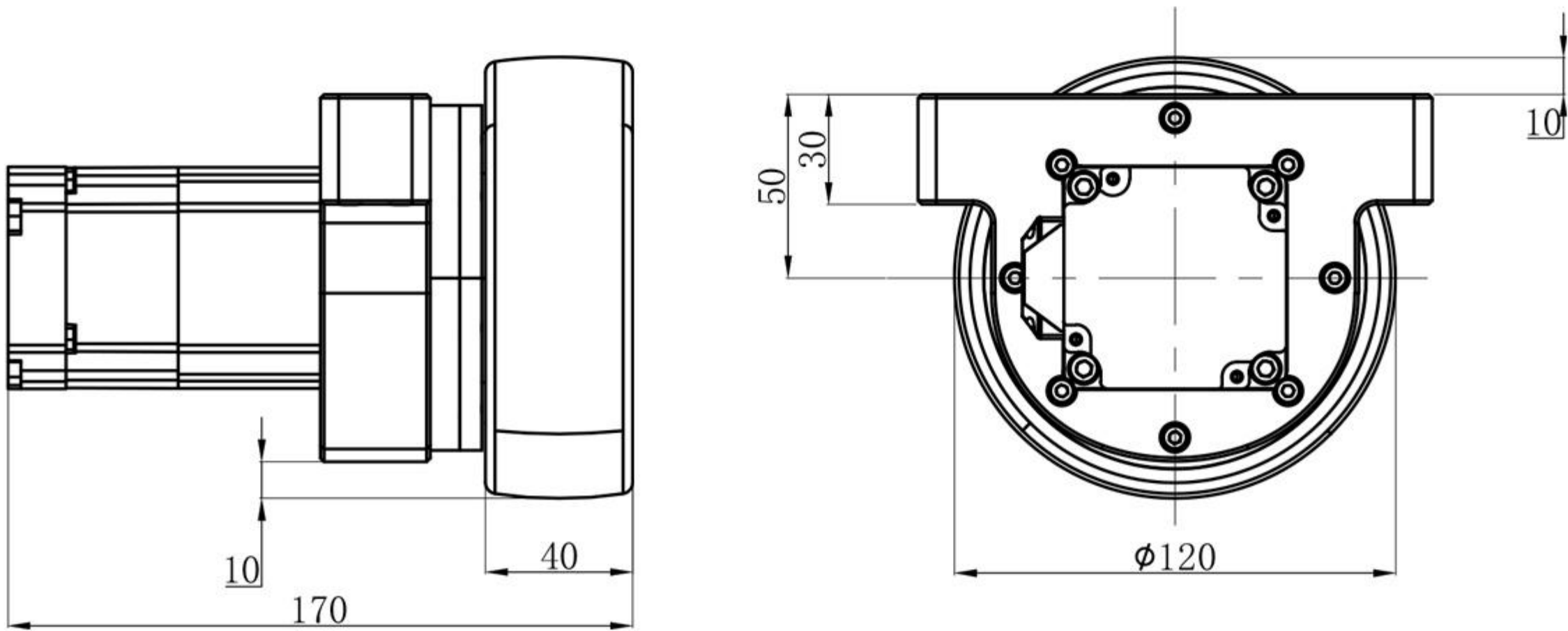
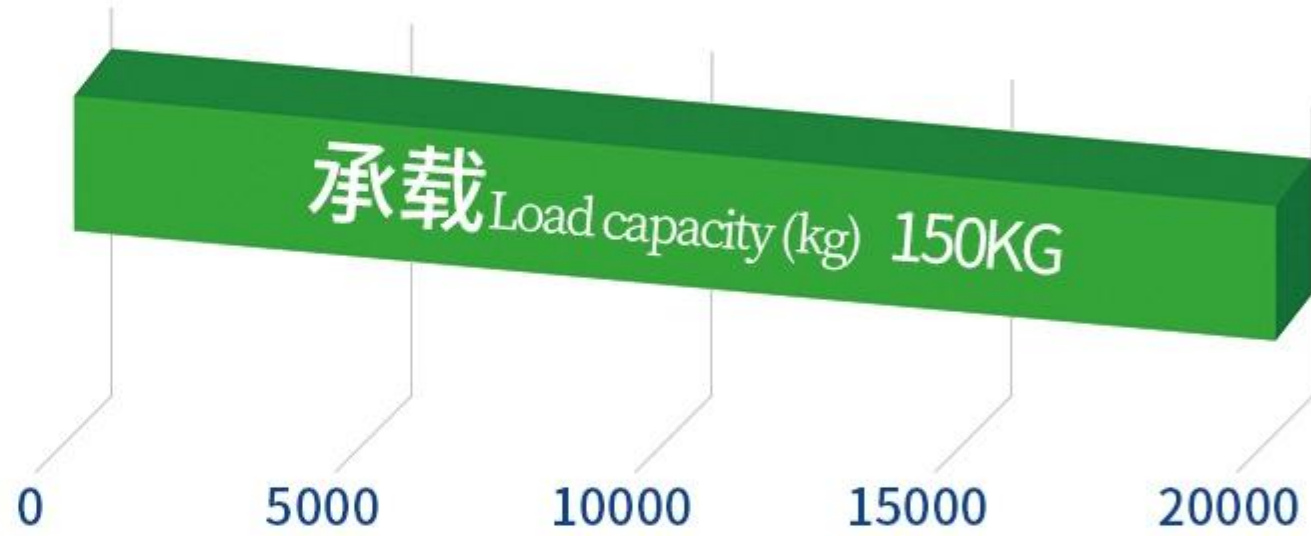
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



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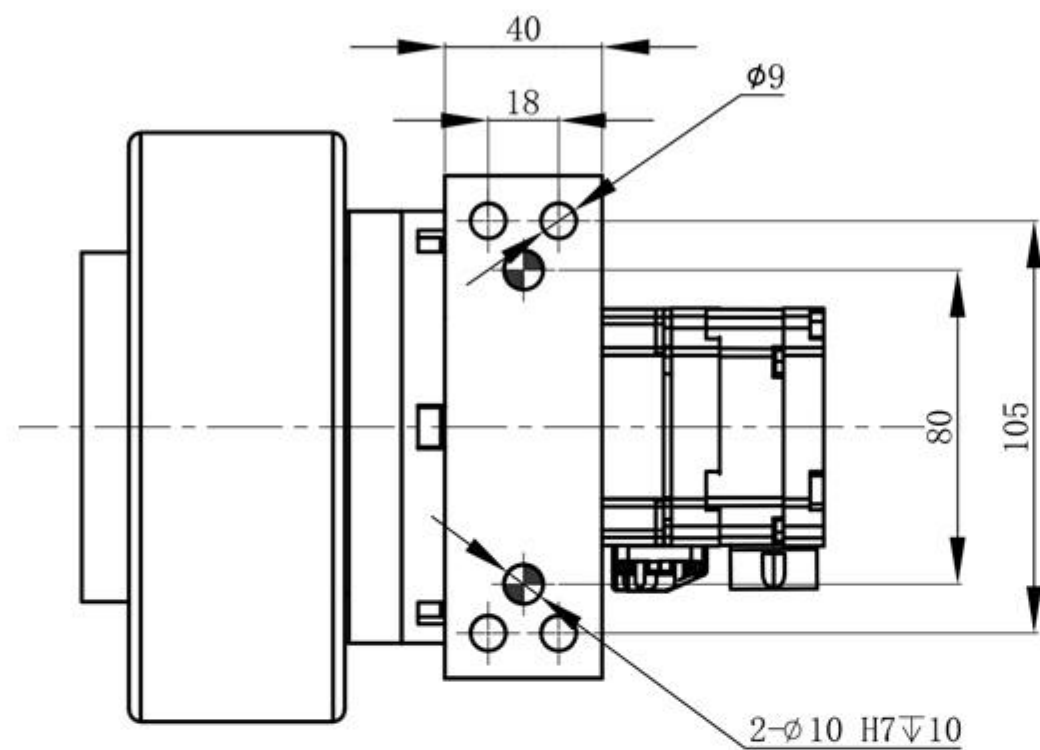
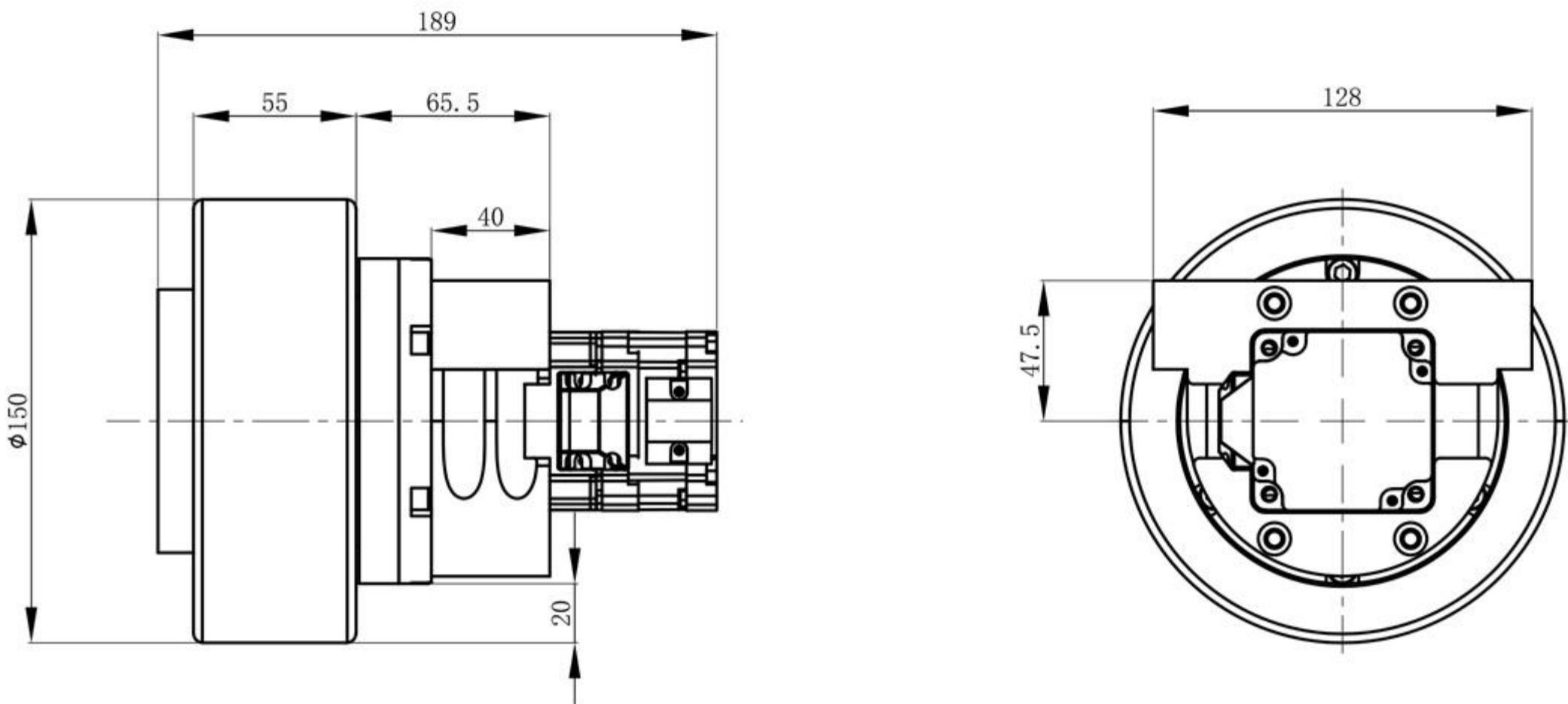
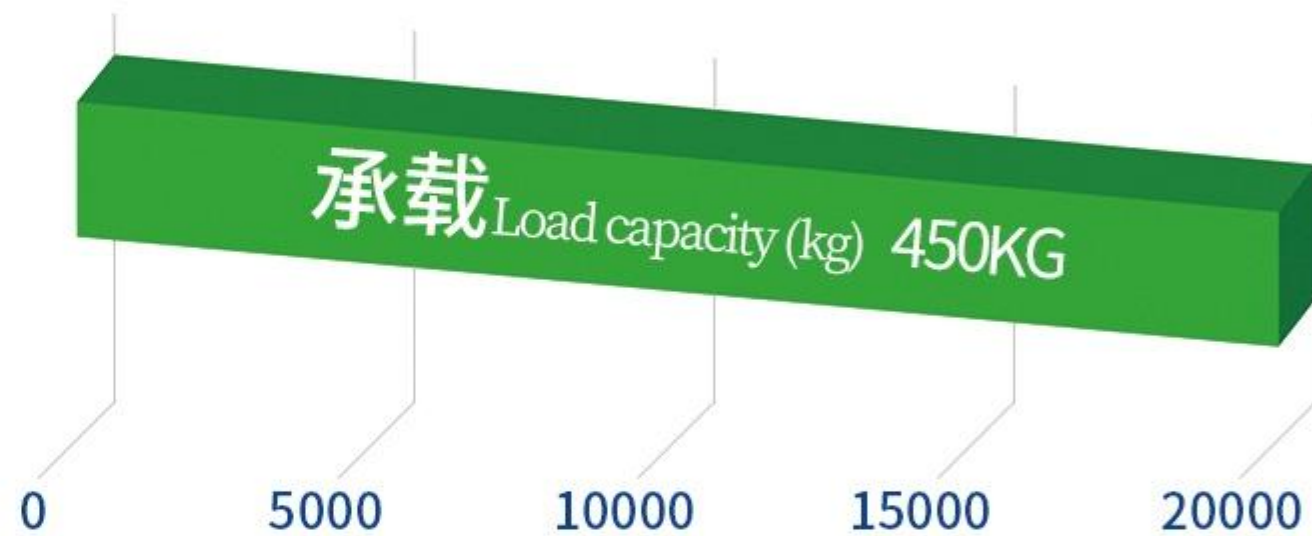
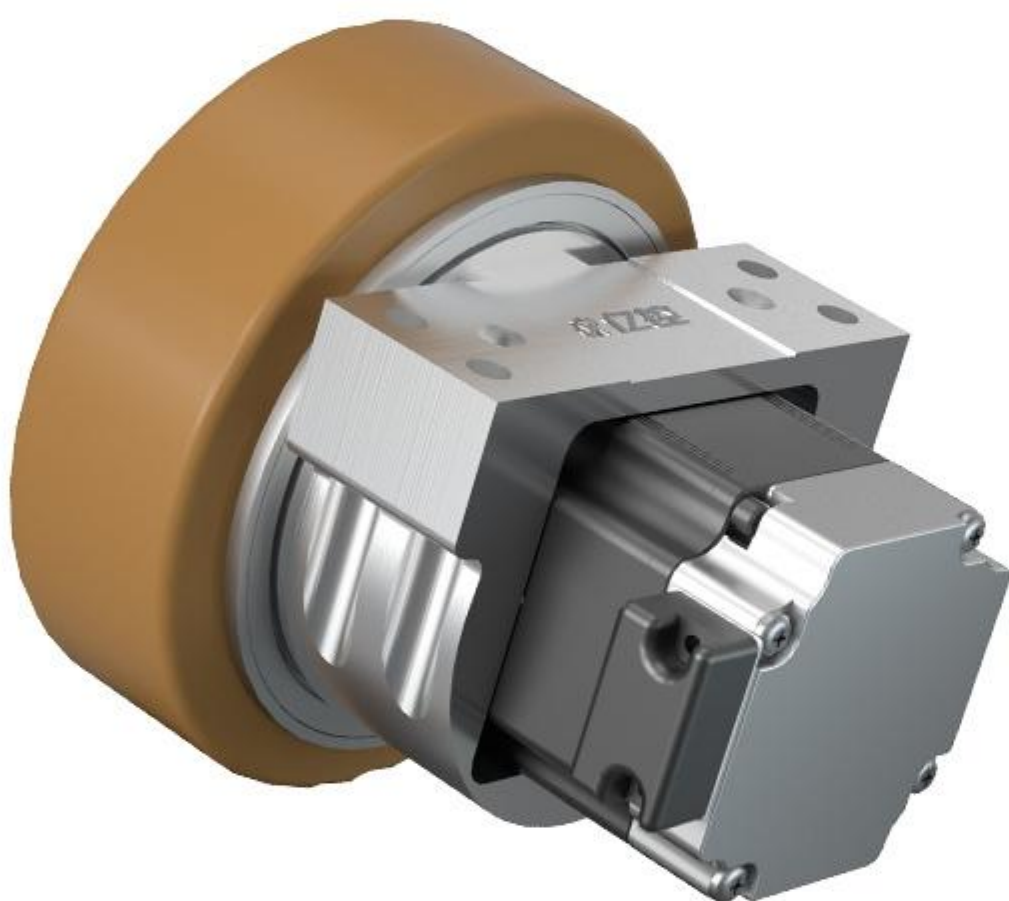
PLT-120P401SP



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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

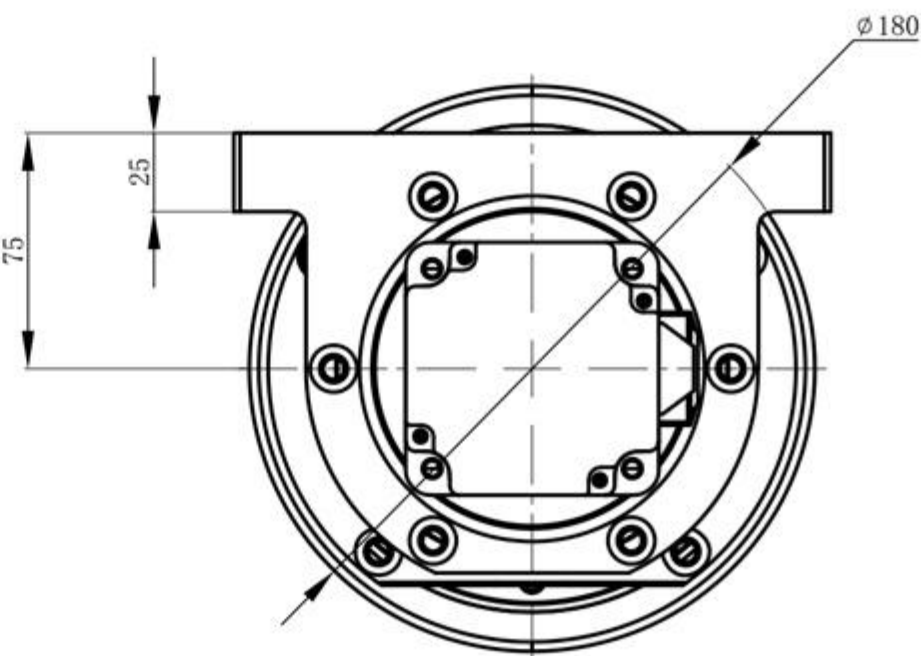
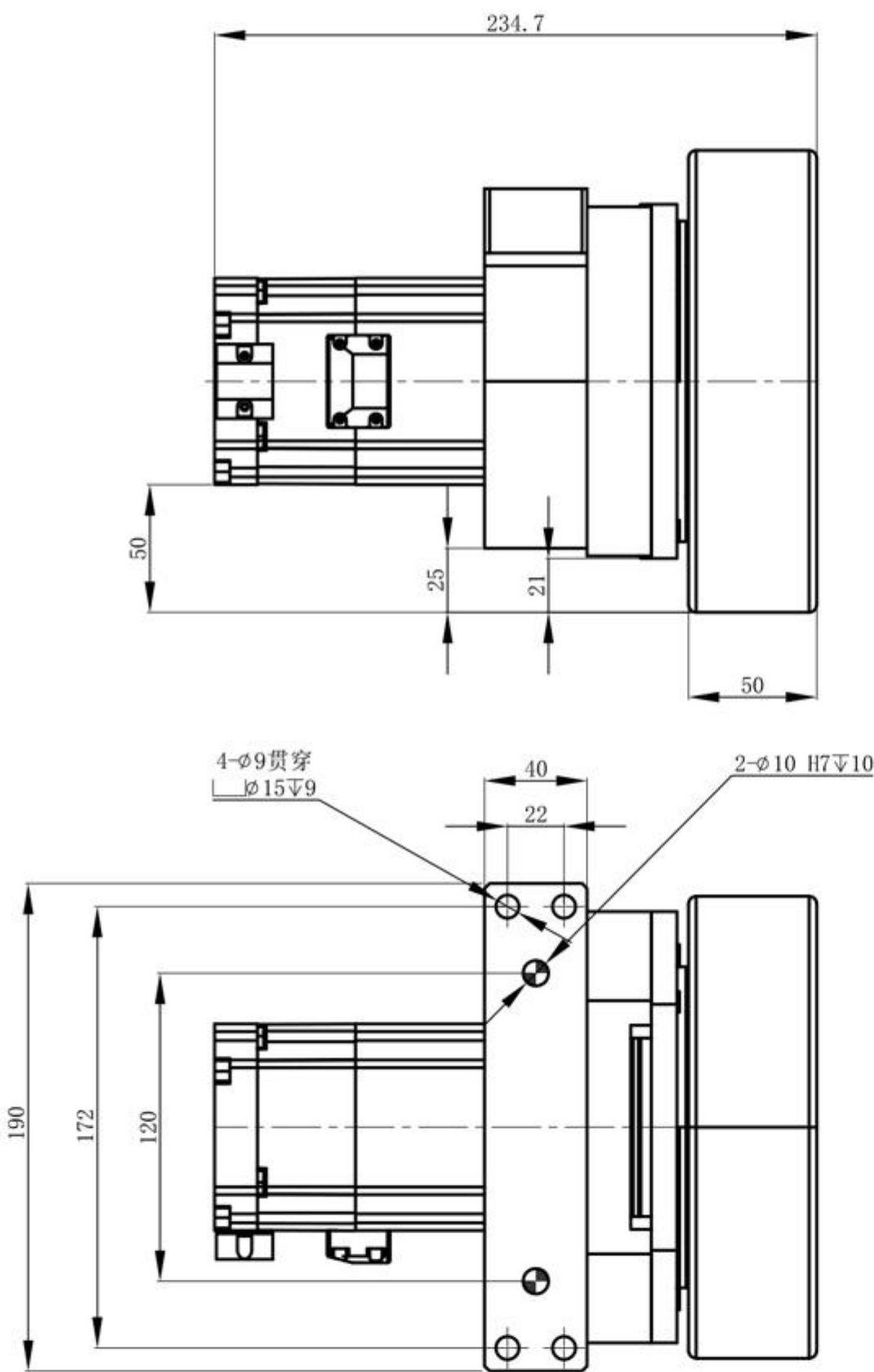
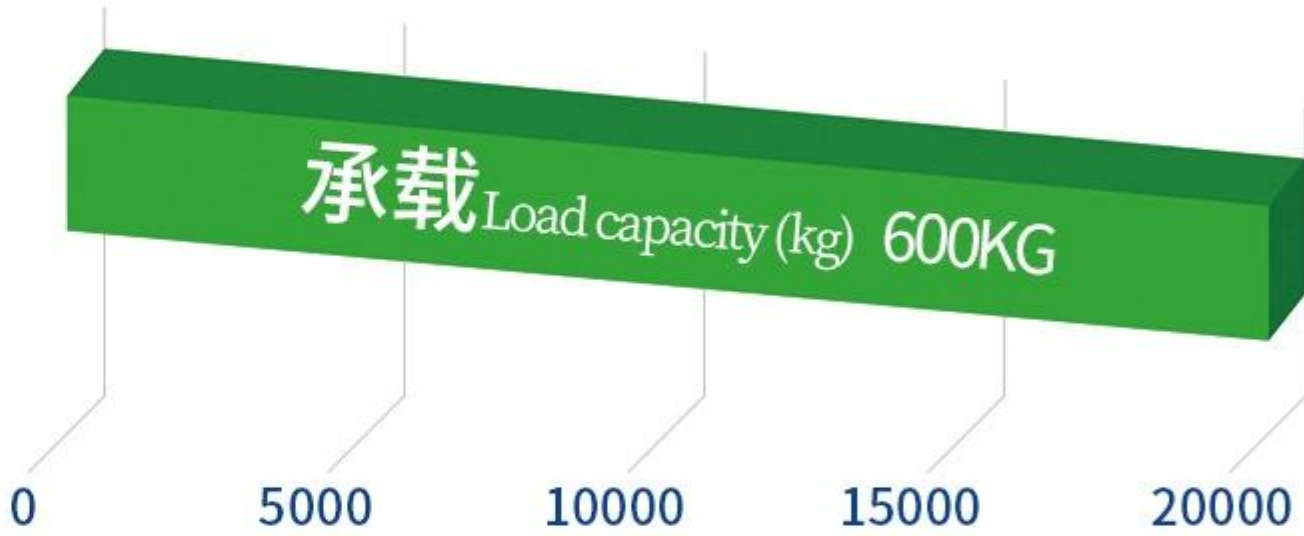
PLT-150P401SP



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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

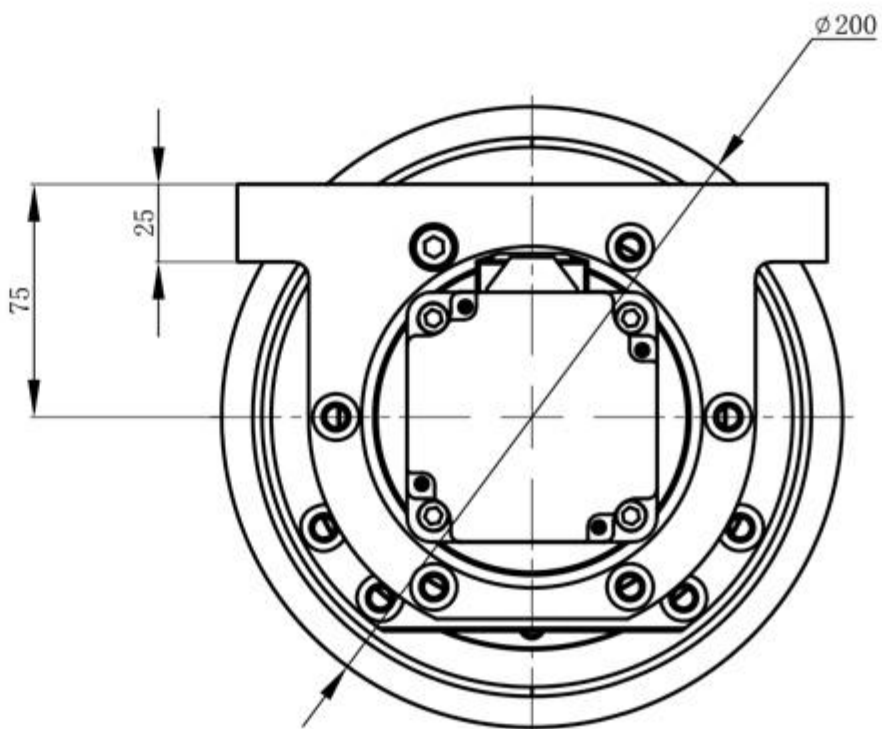
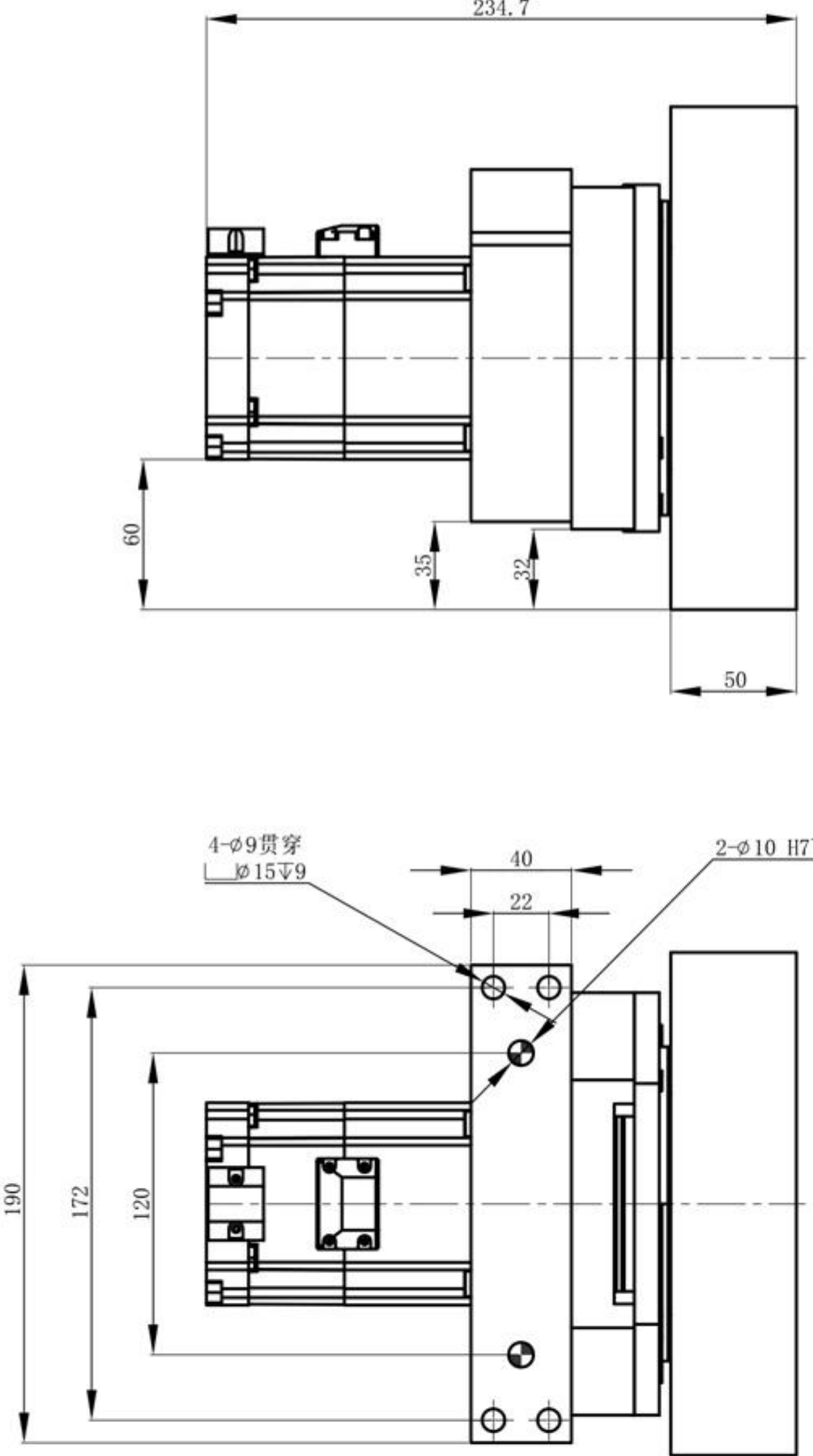
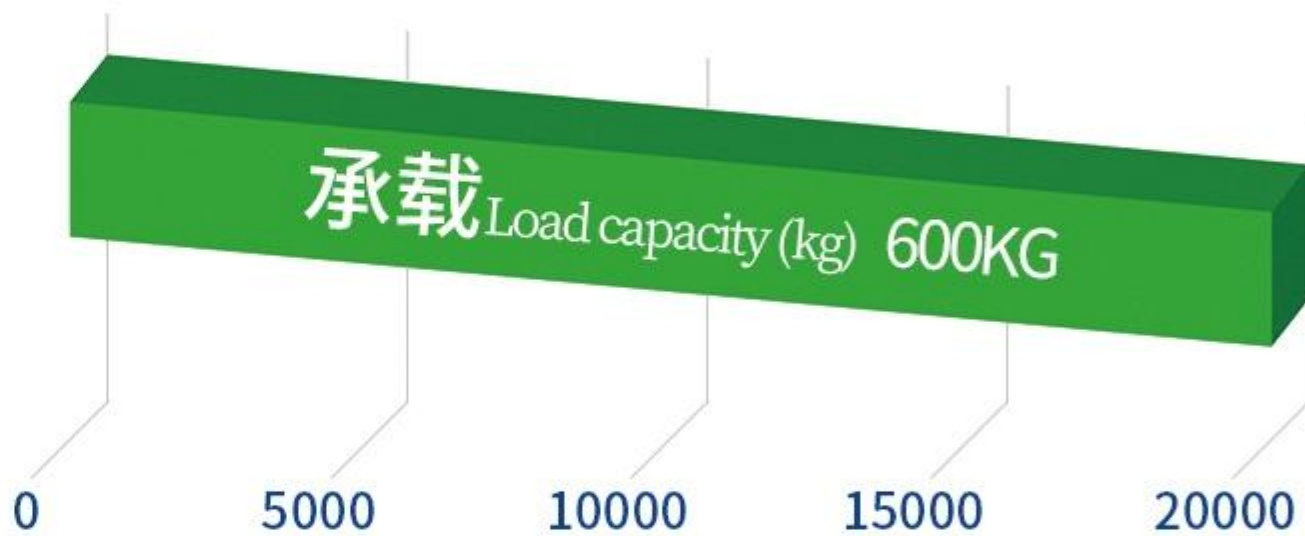
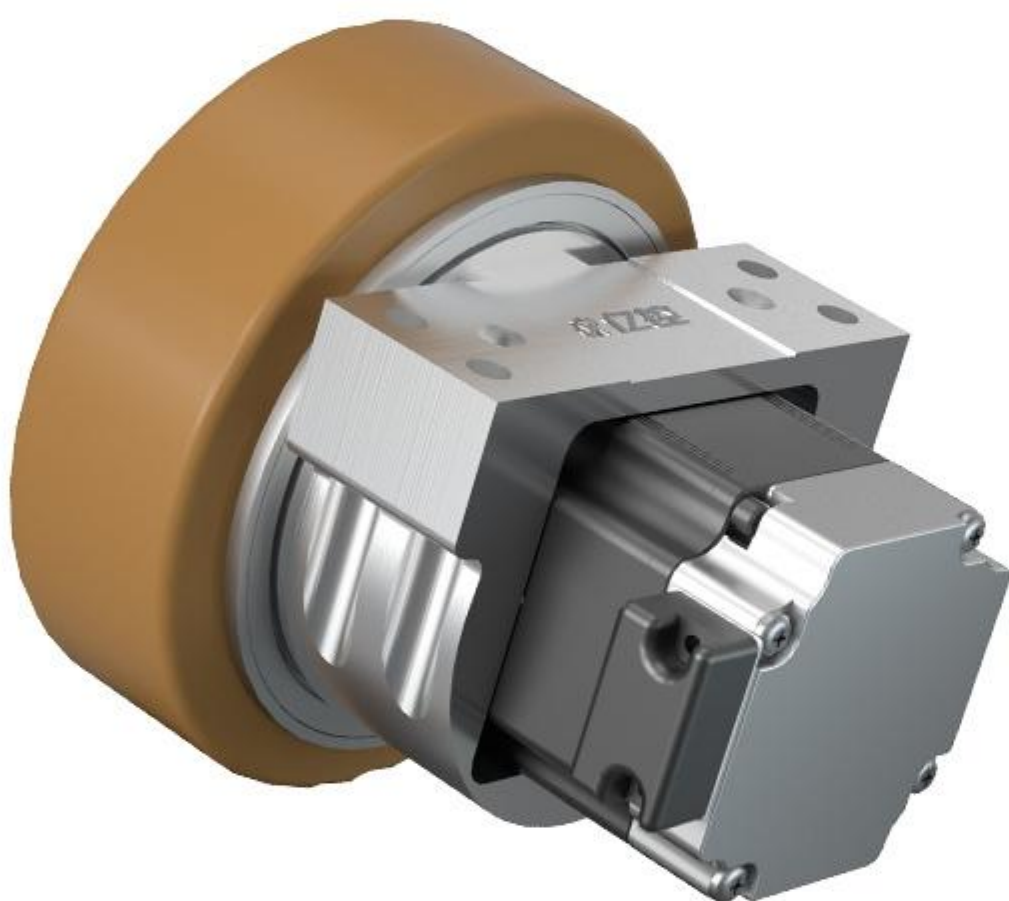
PLT-180P751SP



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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

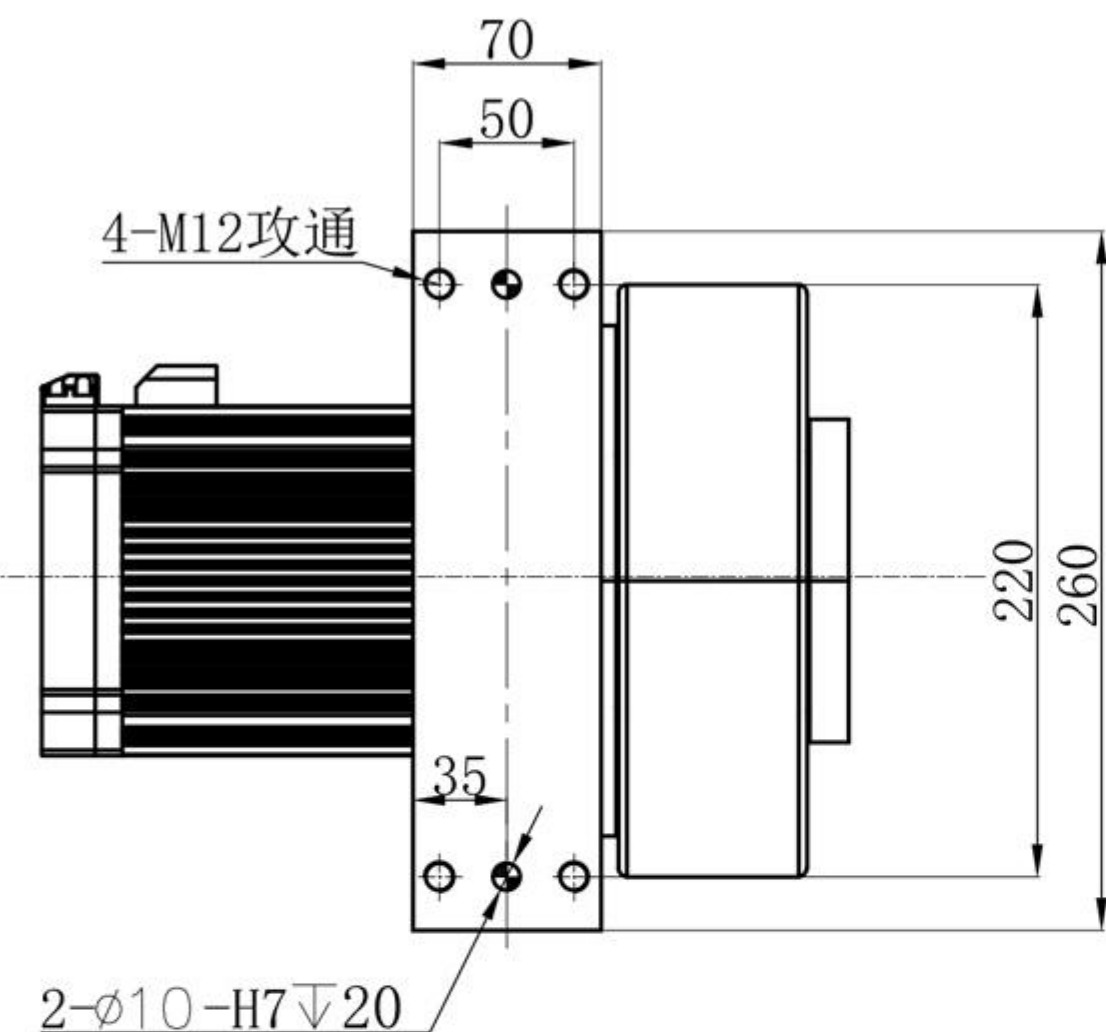
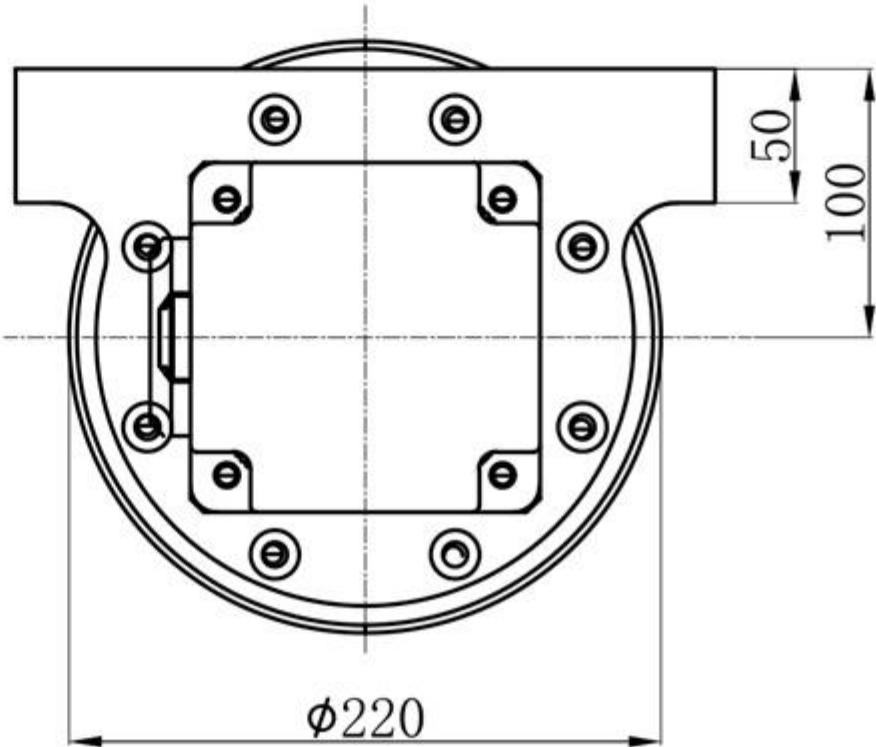
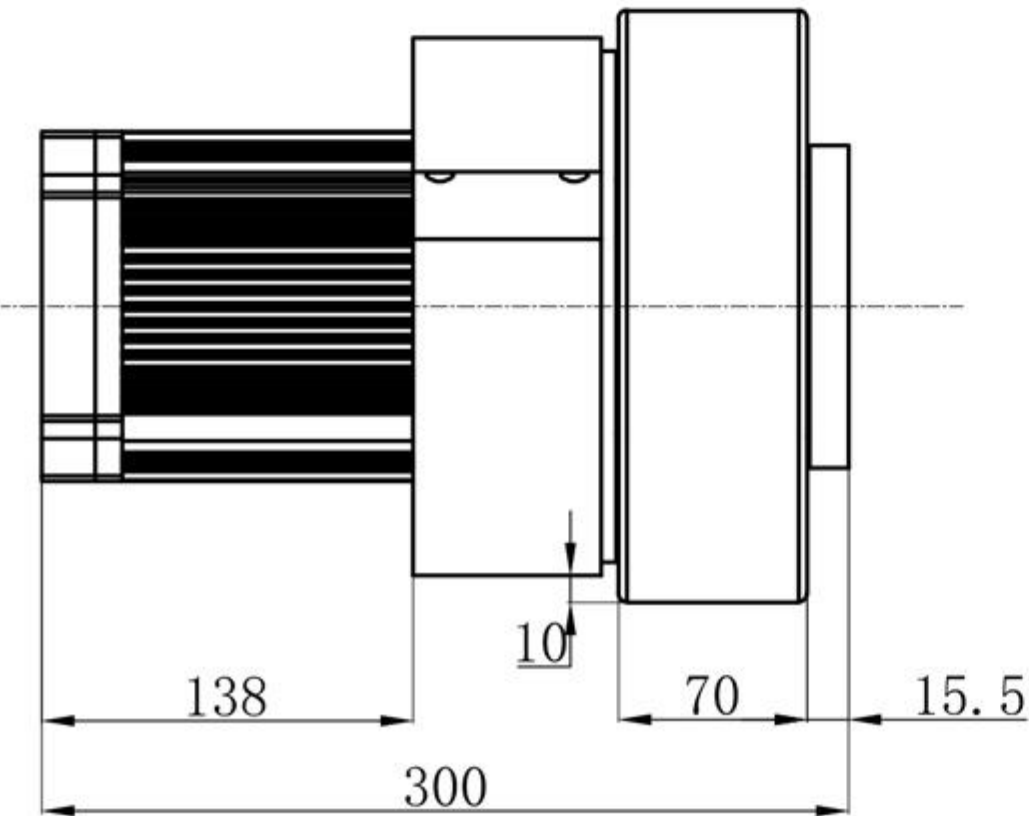
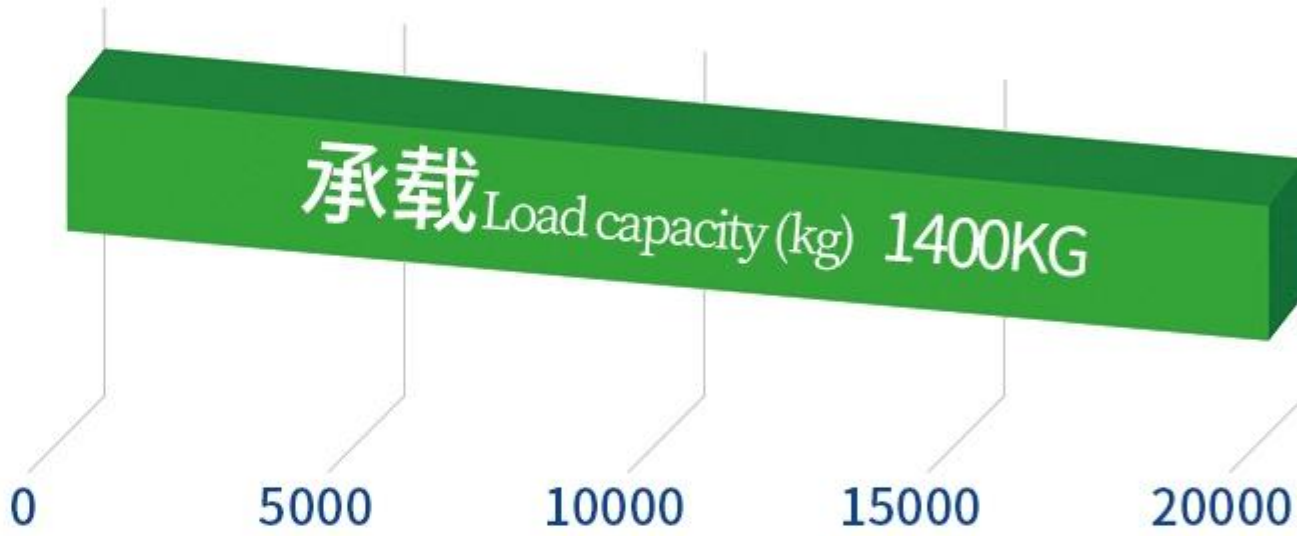
PLT-200P751SP



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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

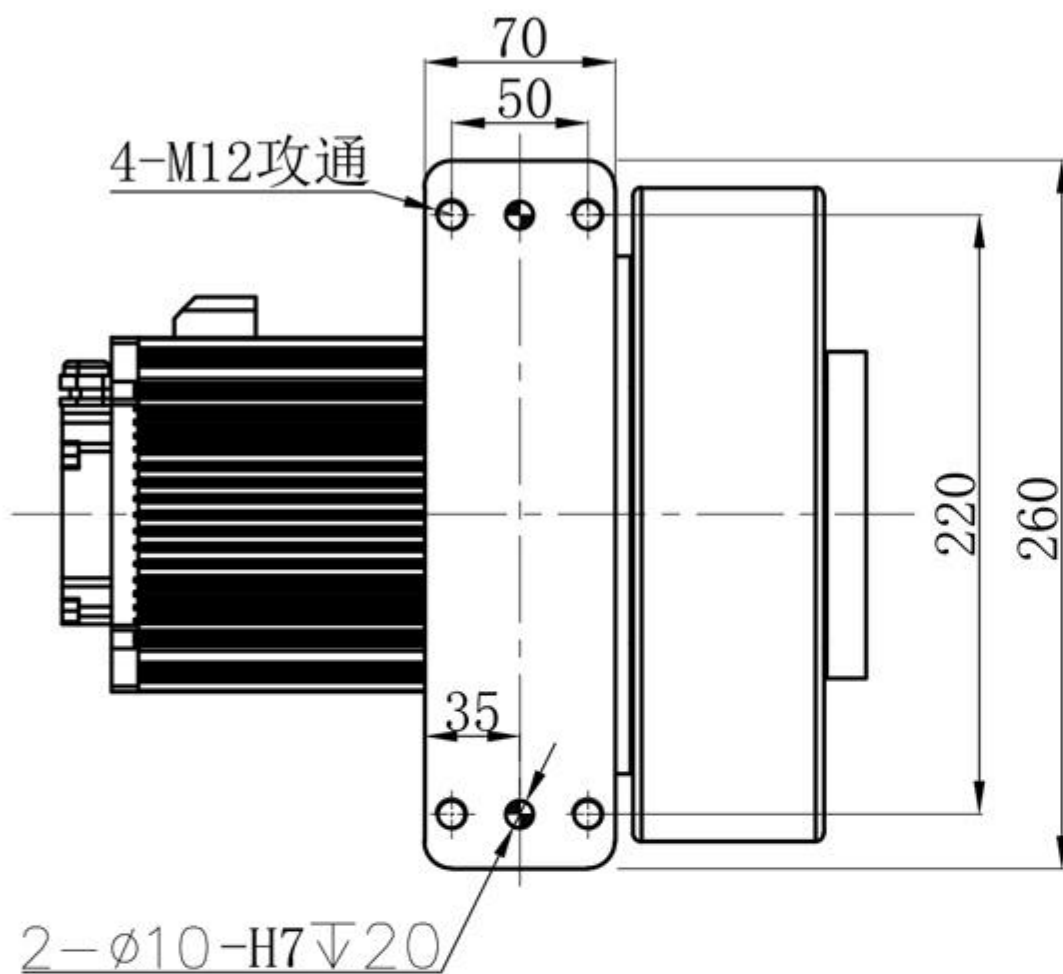
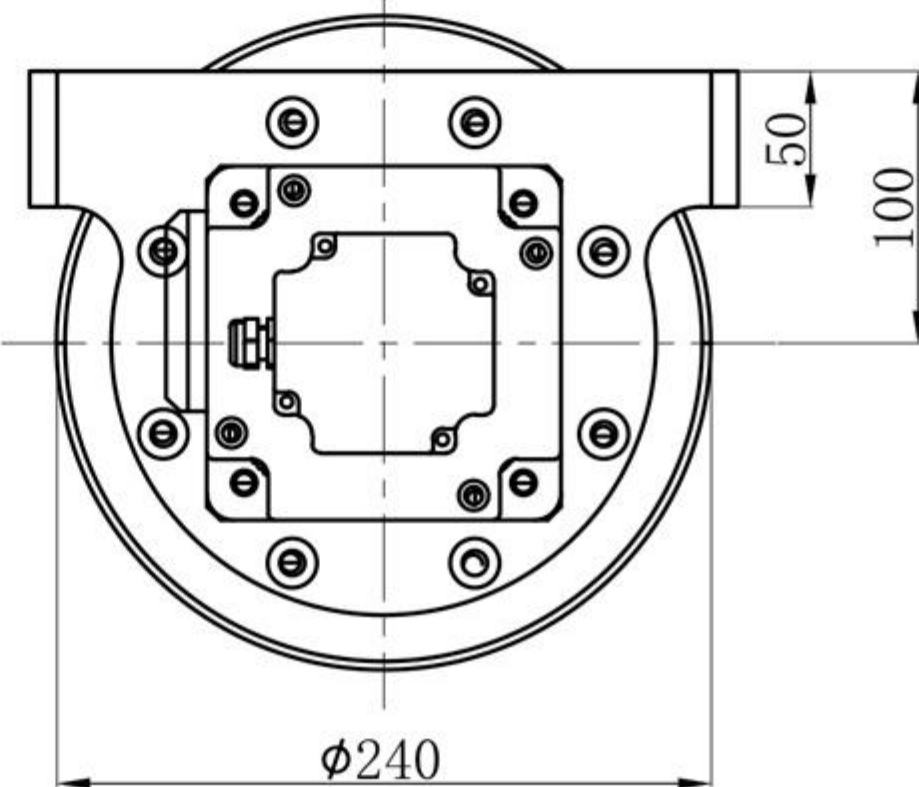
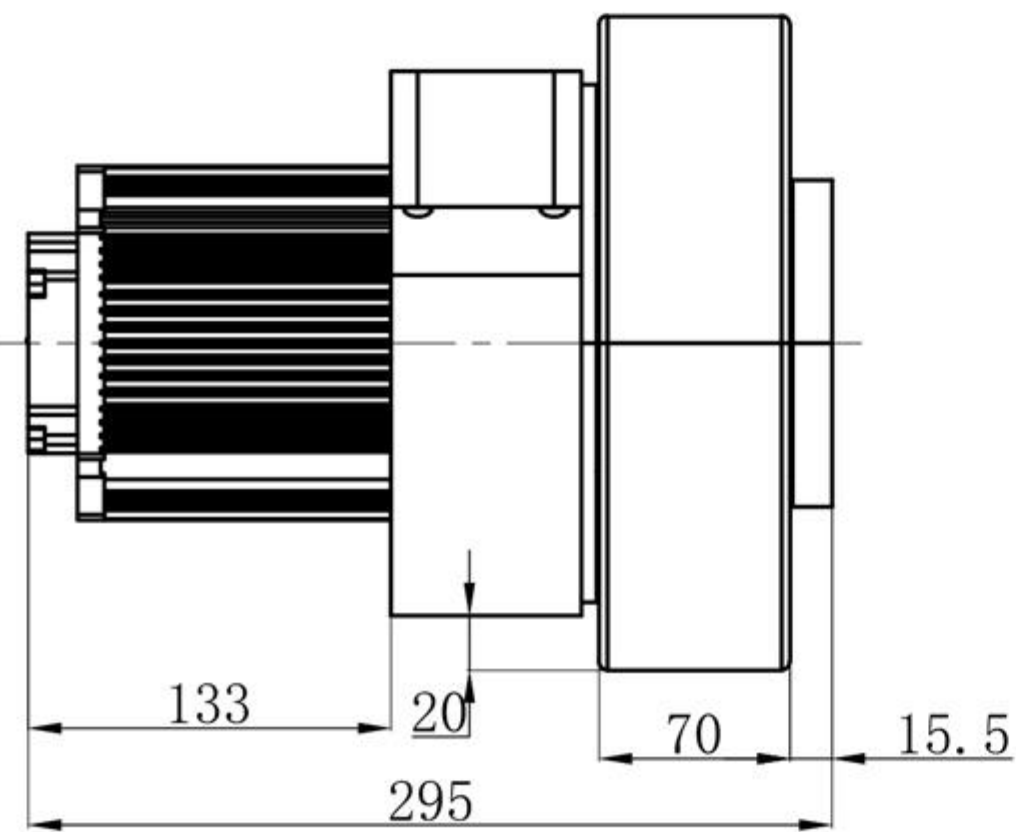
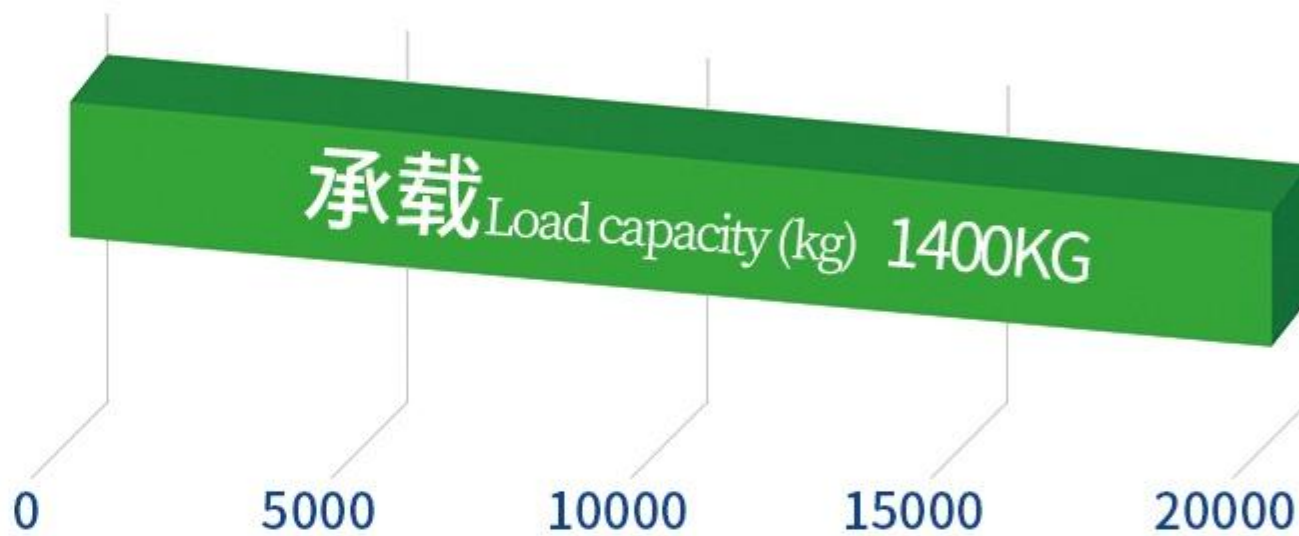
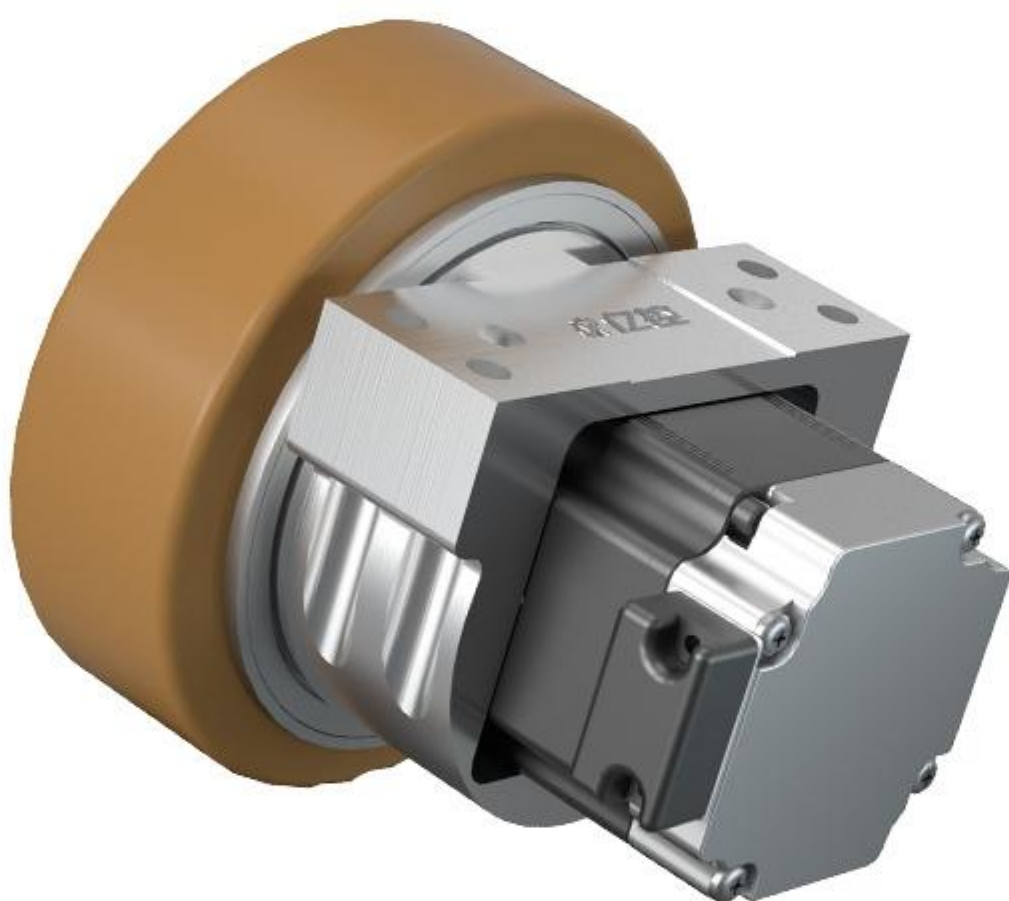
PLT-220P152SP



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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

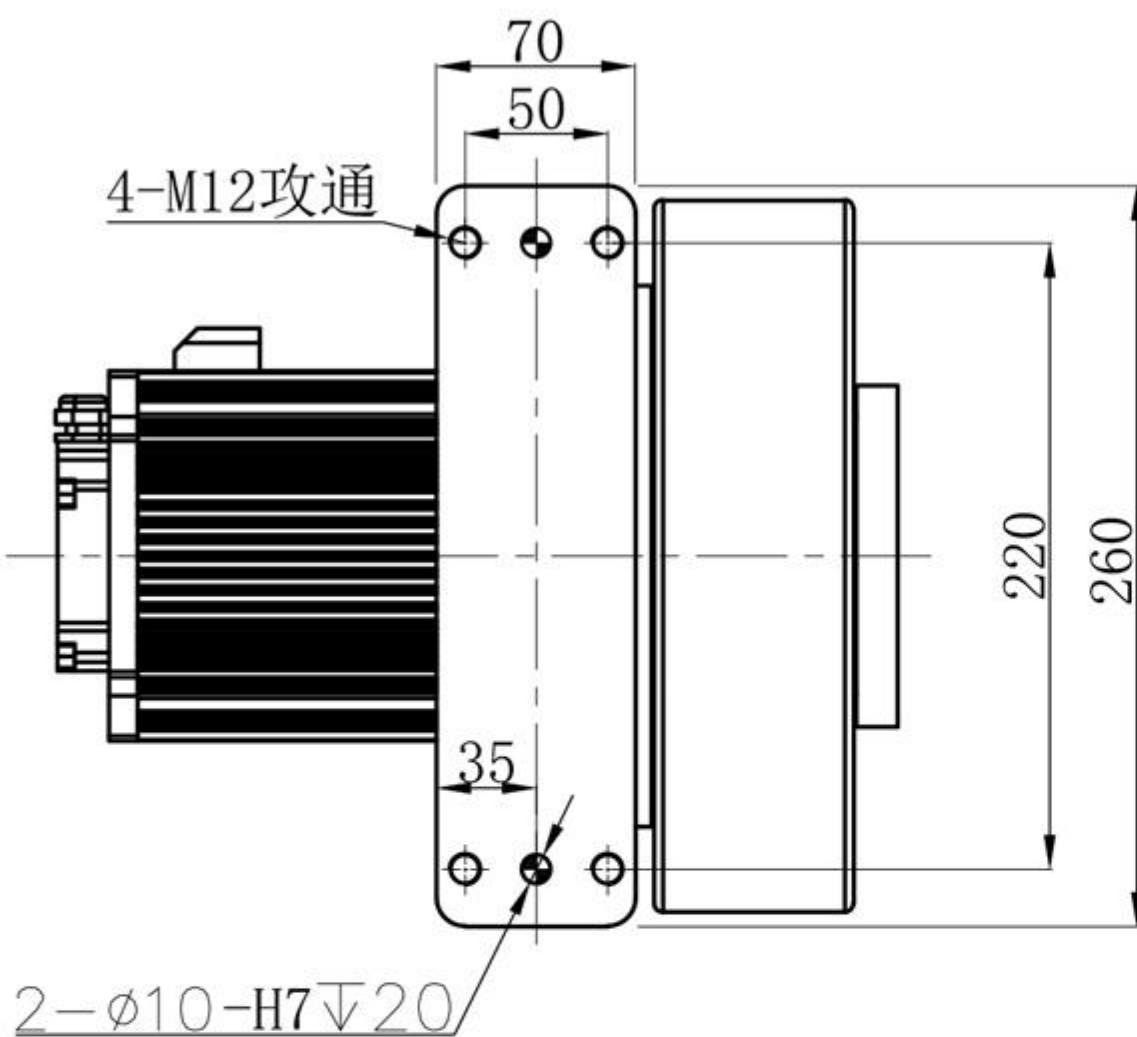
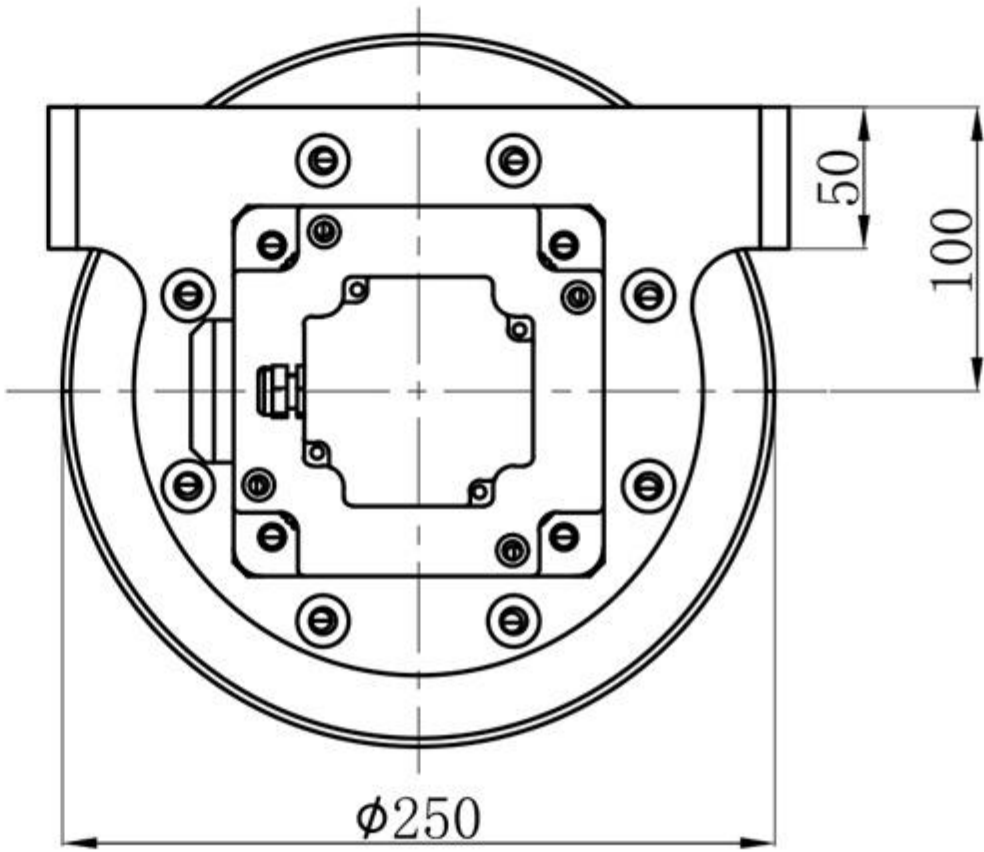
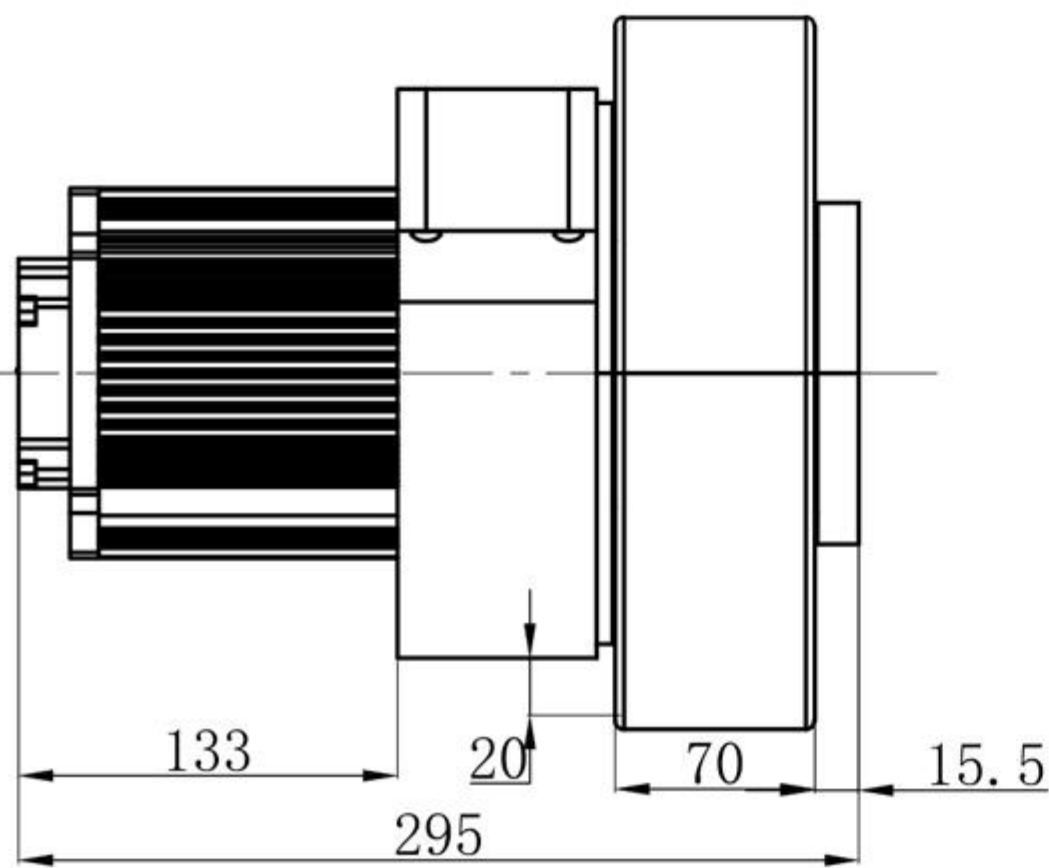
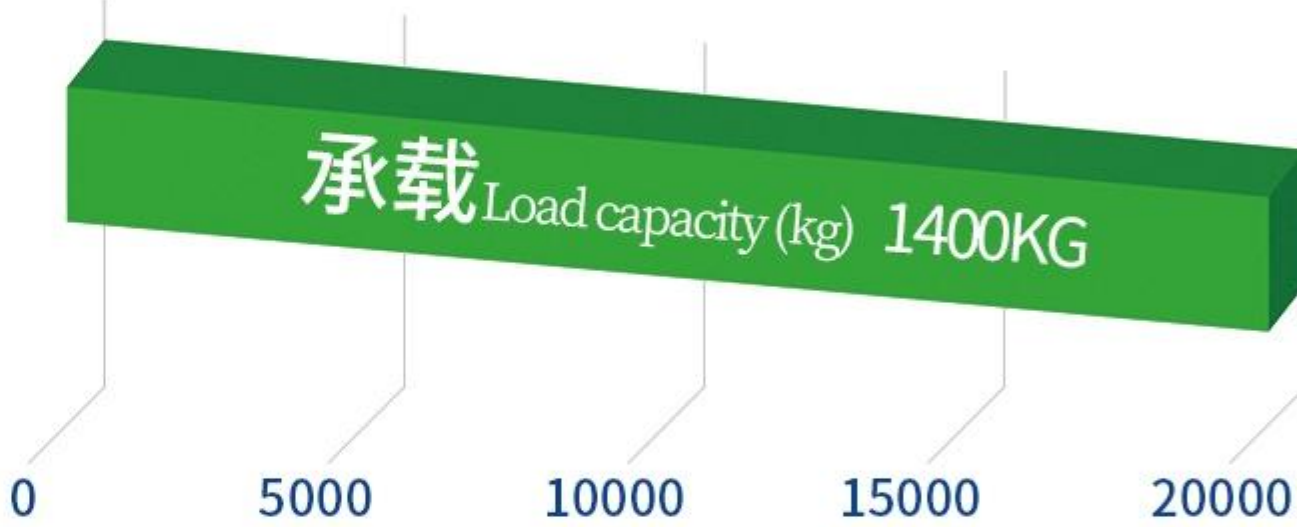
PLT-240P152SP



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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

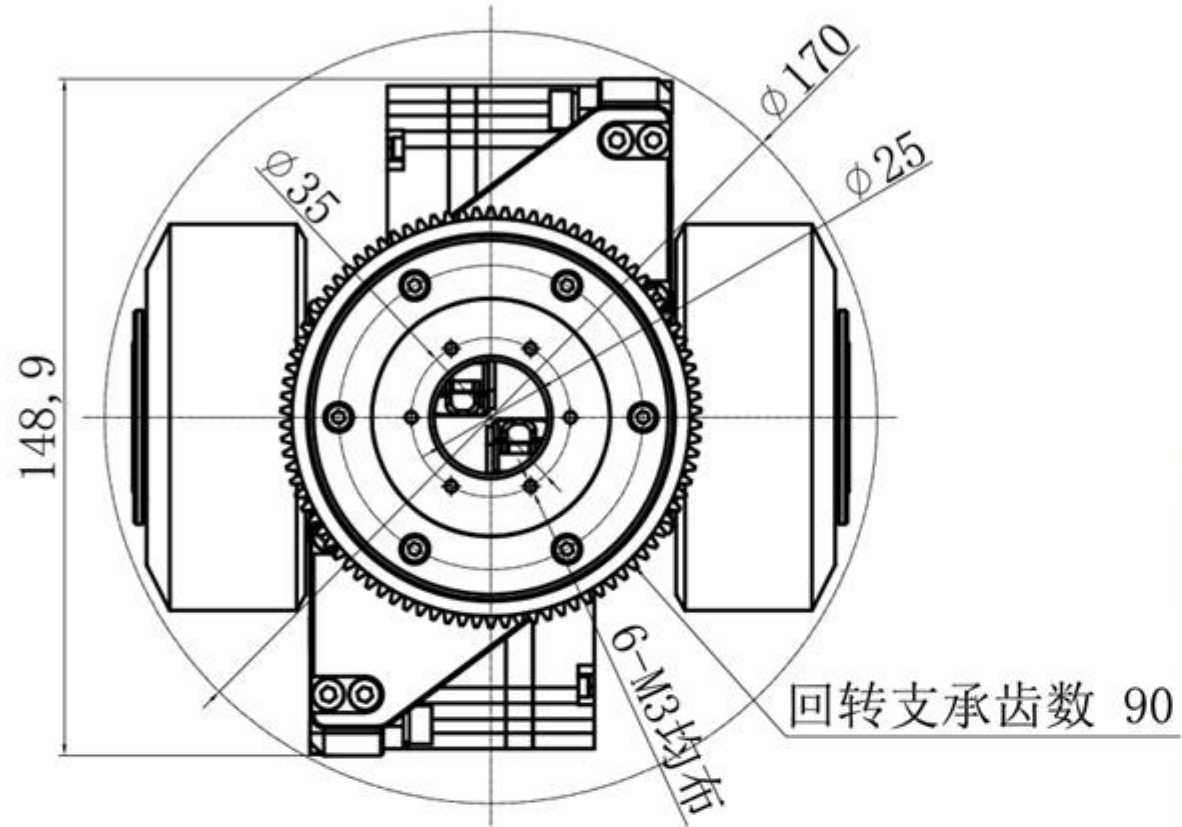
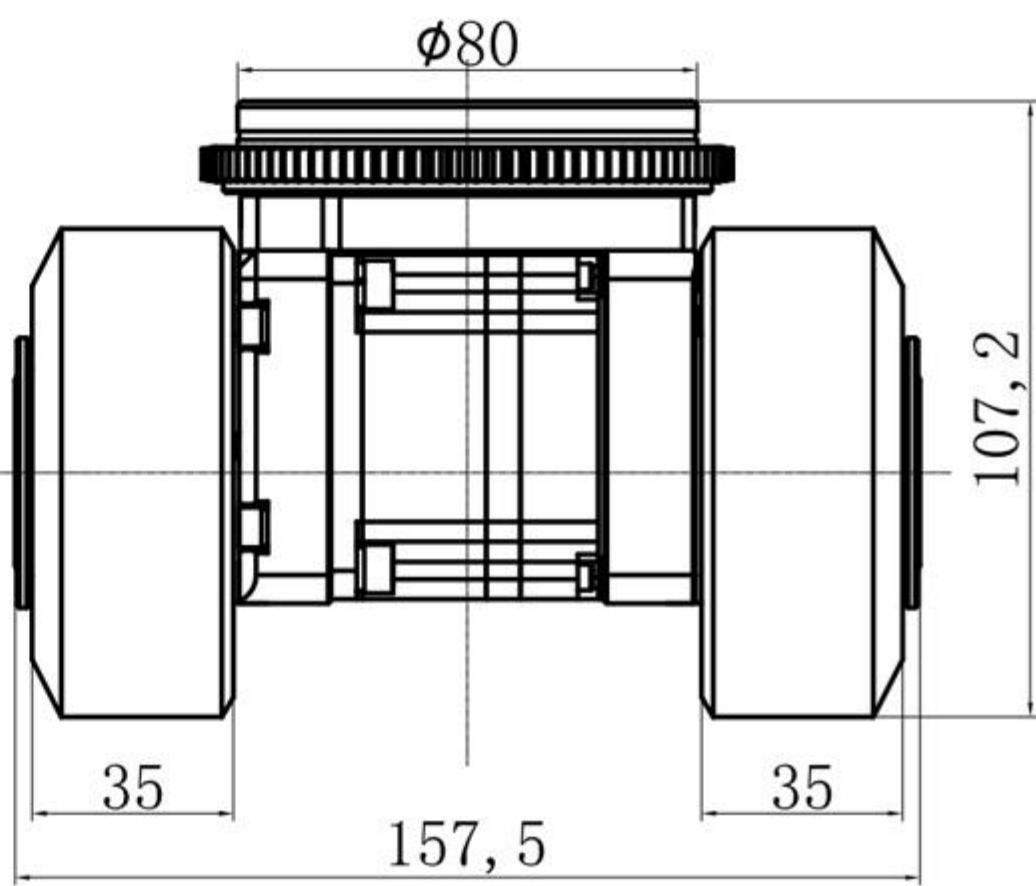
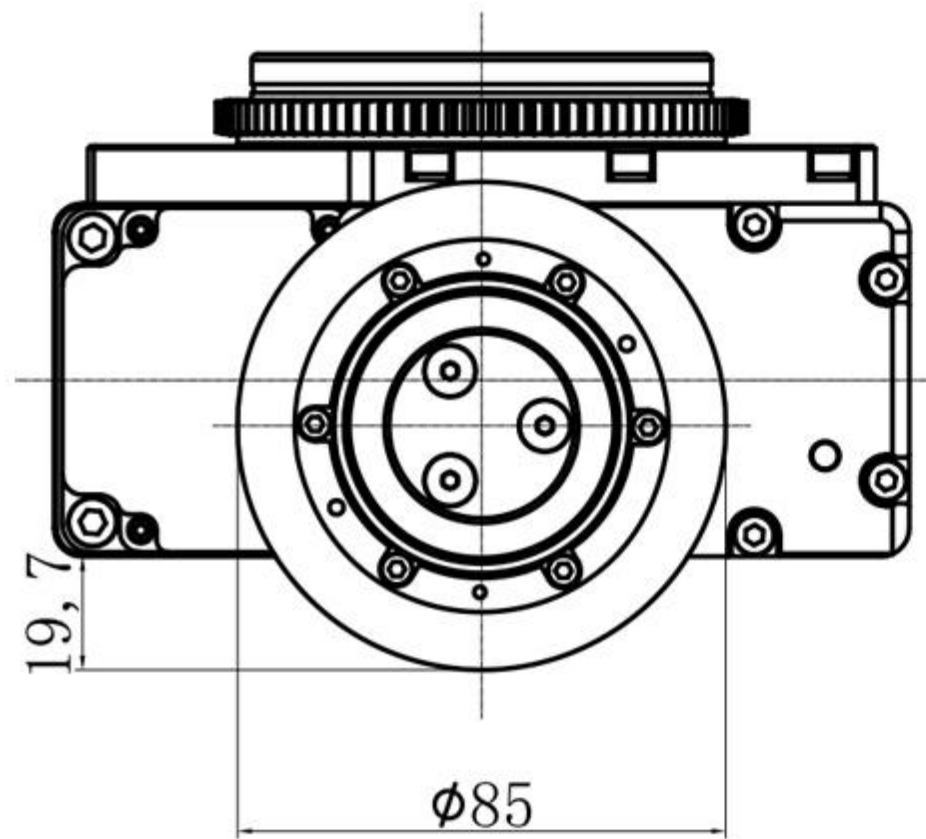
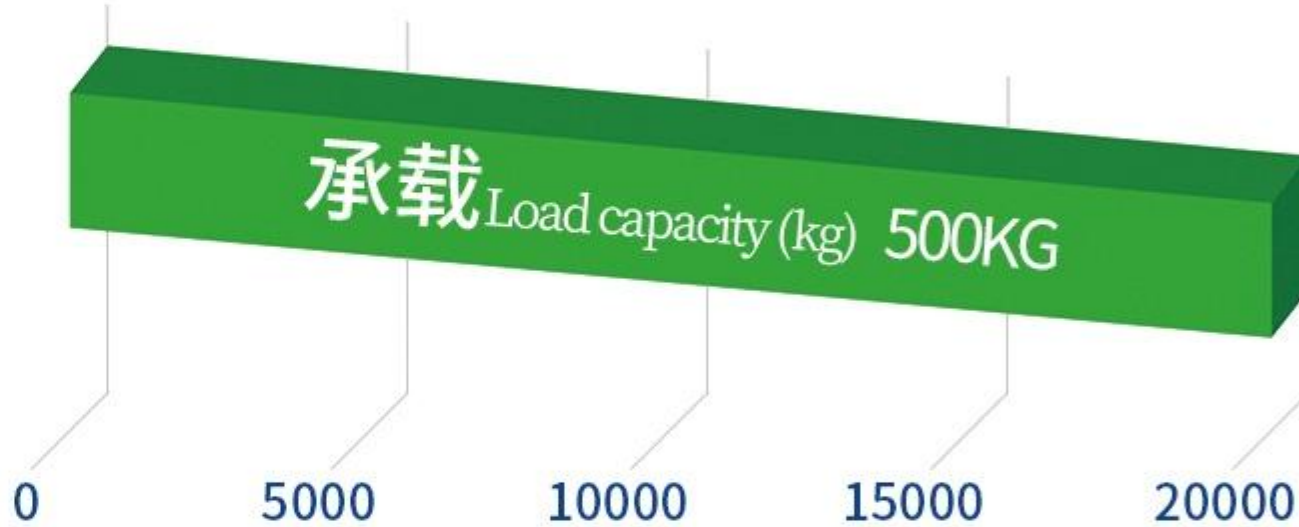
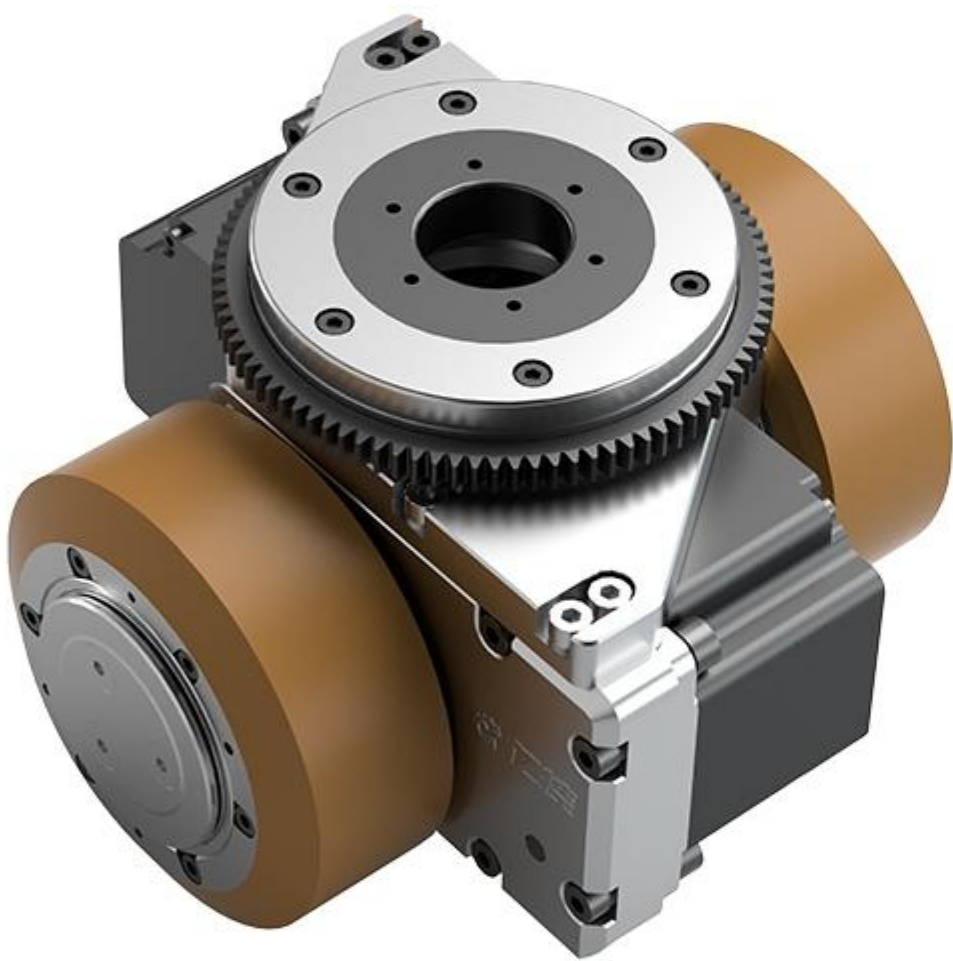
PLT-250P152SP



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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

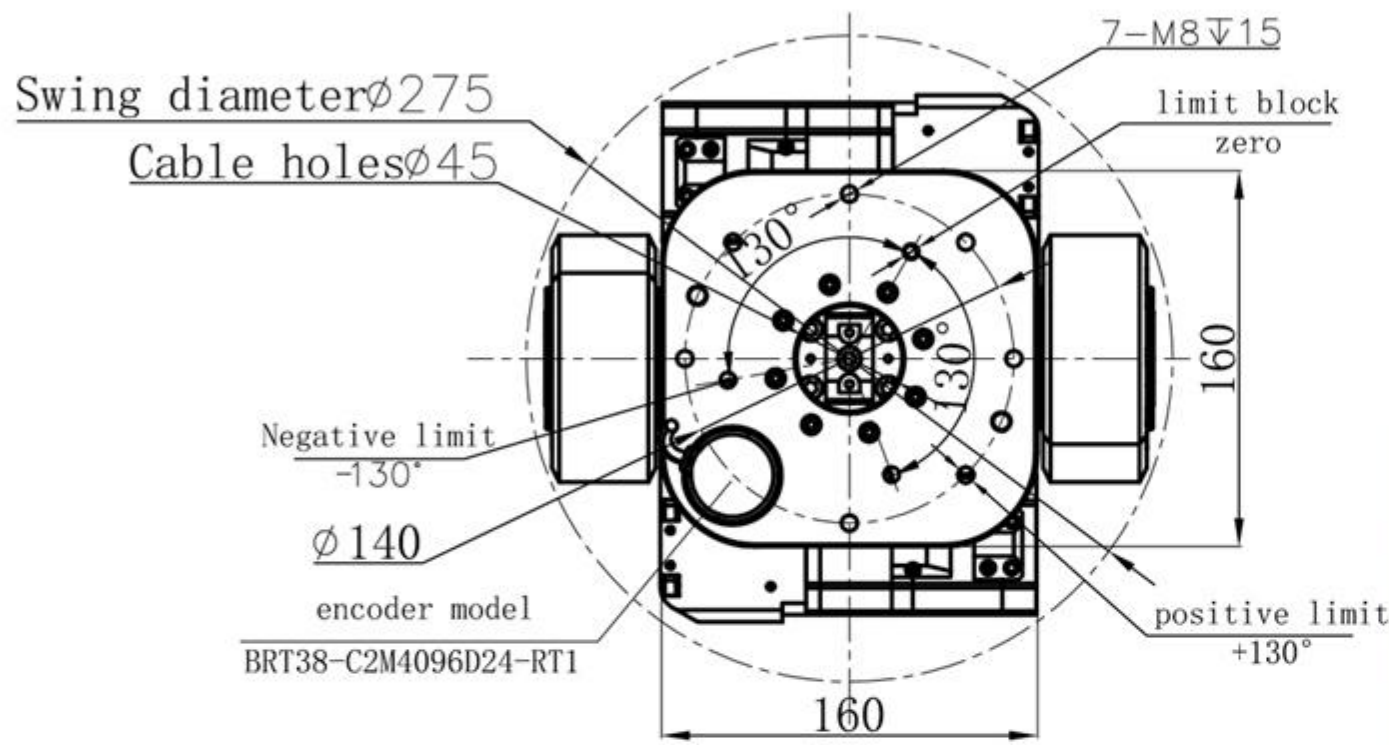
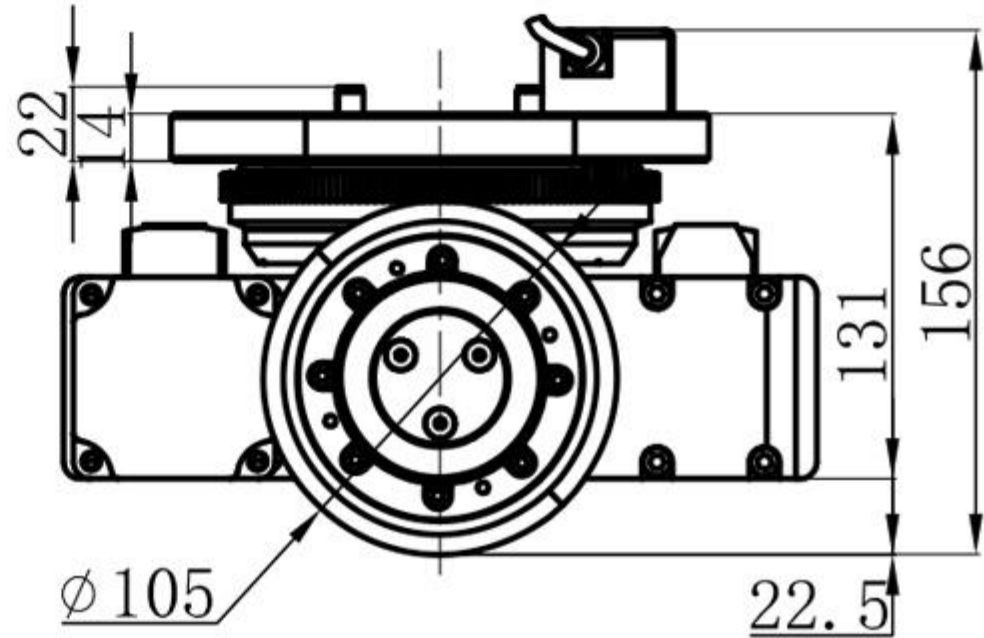
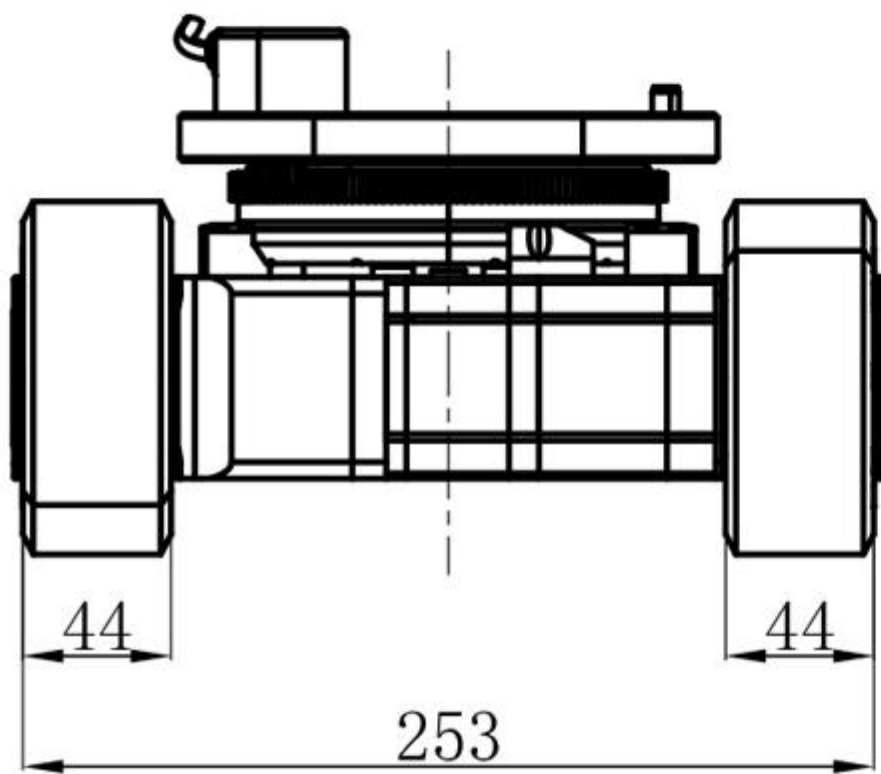
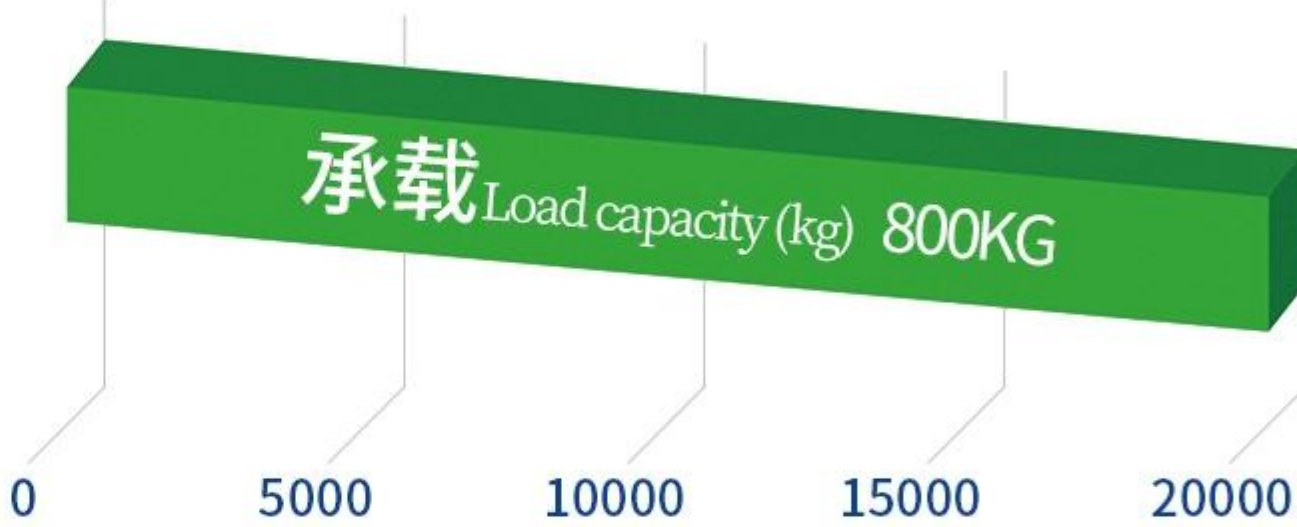
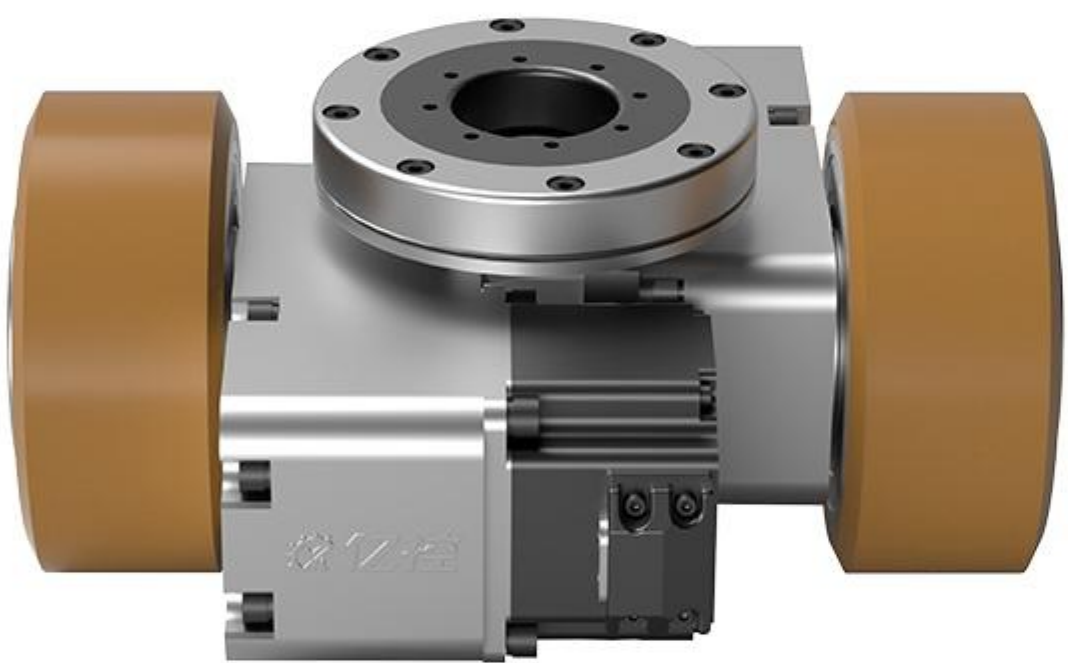
PLT-85-D



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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

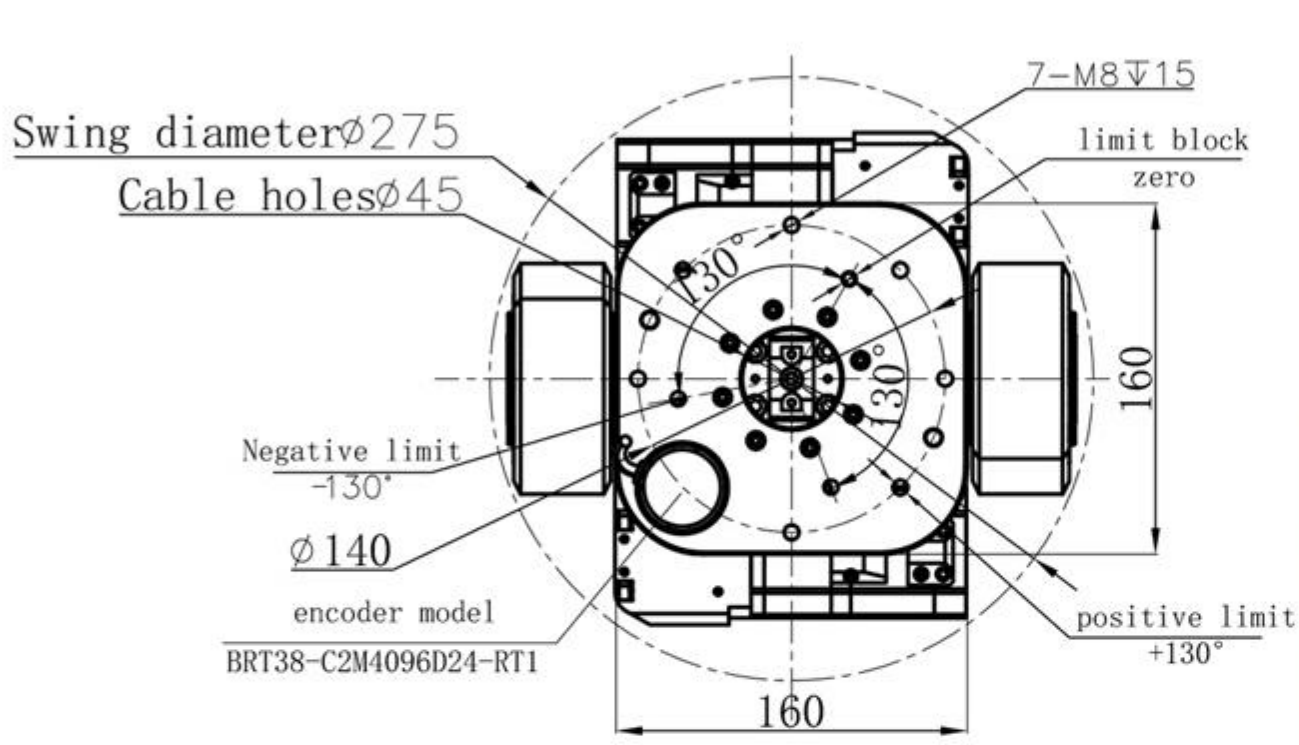
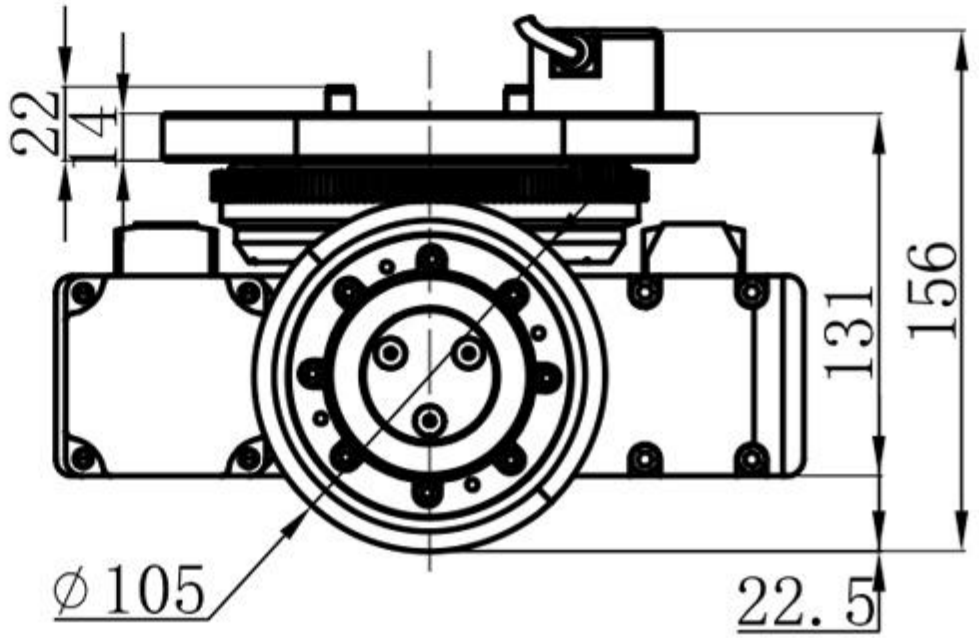
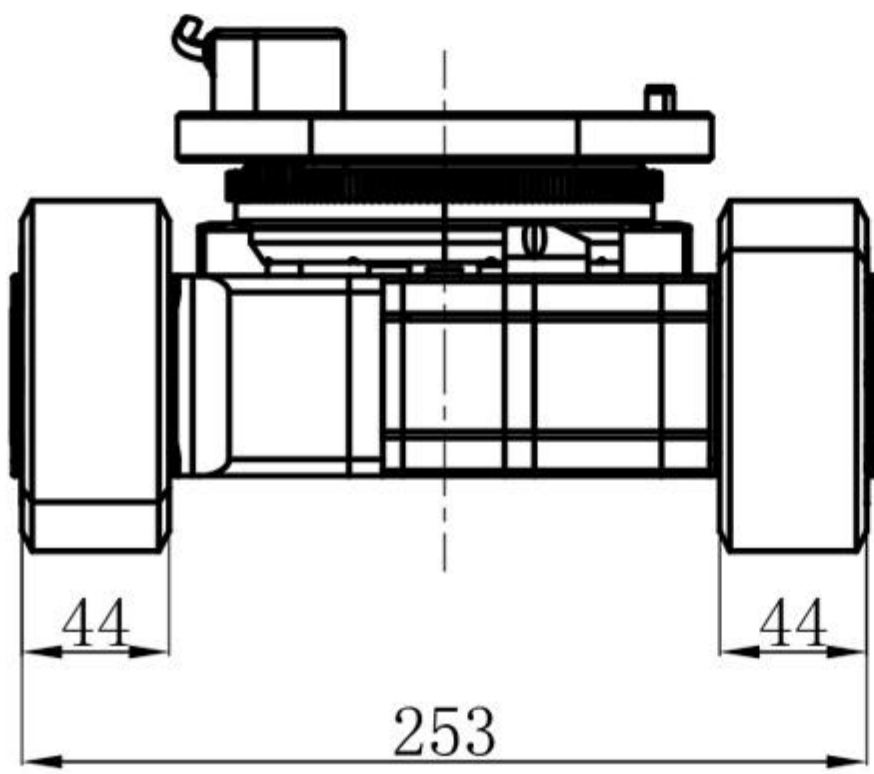
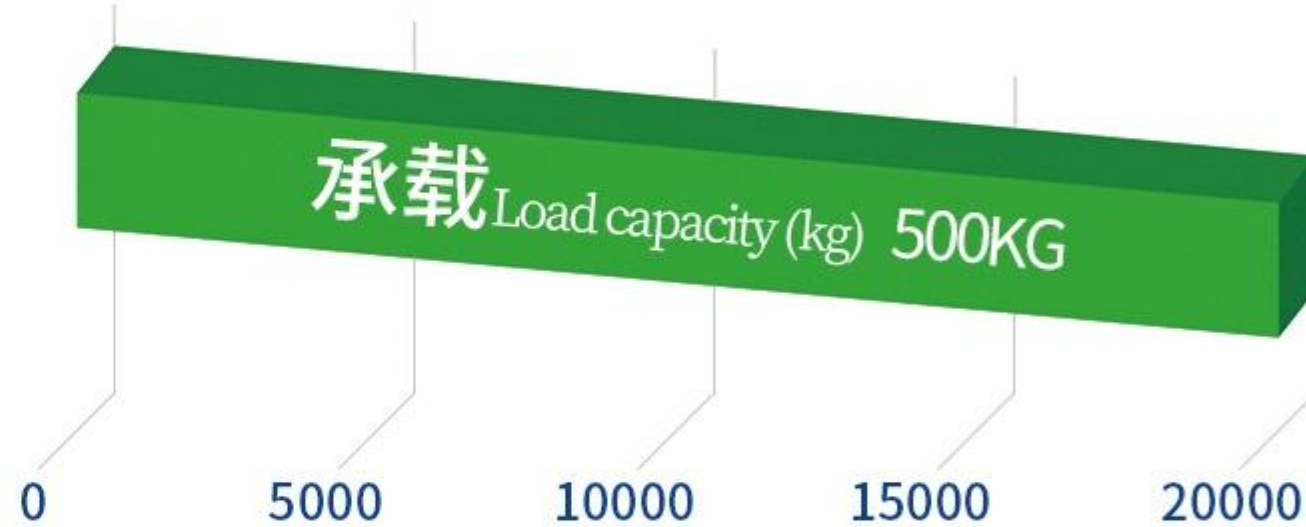
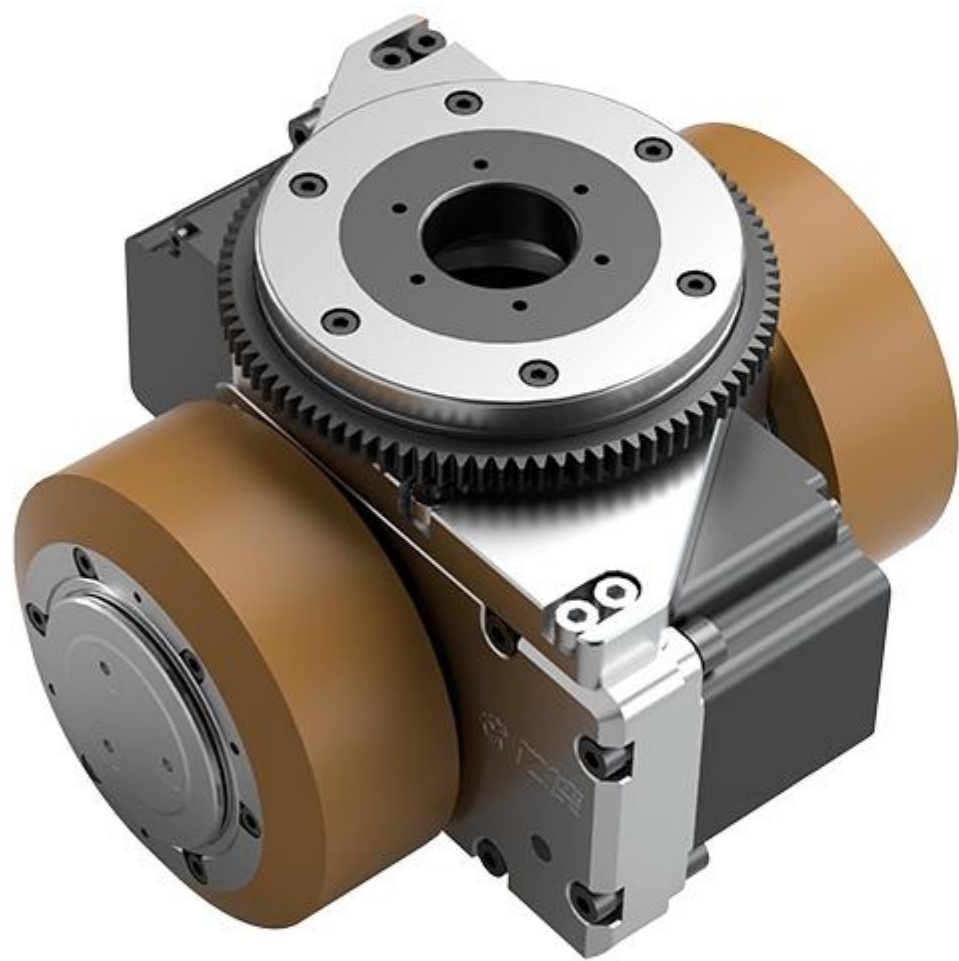
PLT-105-D



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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)	20
转速Speed(rpm)	3000
减速比Ratio(i)	11
承载 Load capacity(kg)	800
IP等级IP grade	65

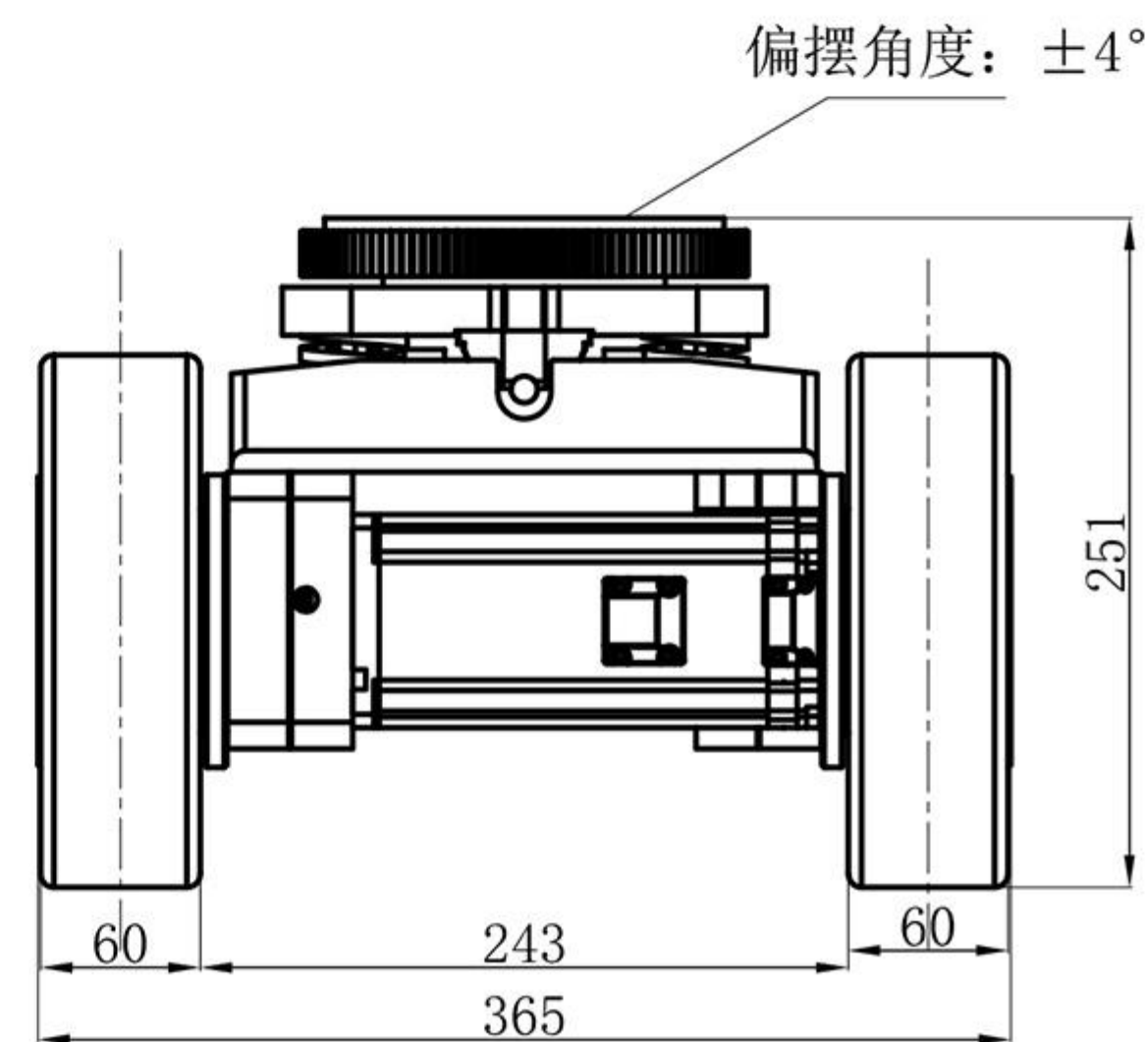
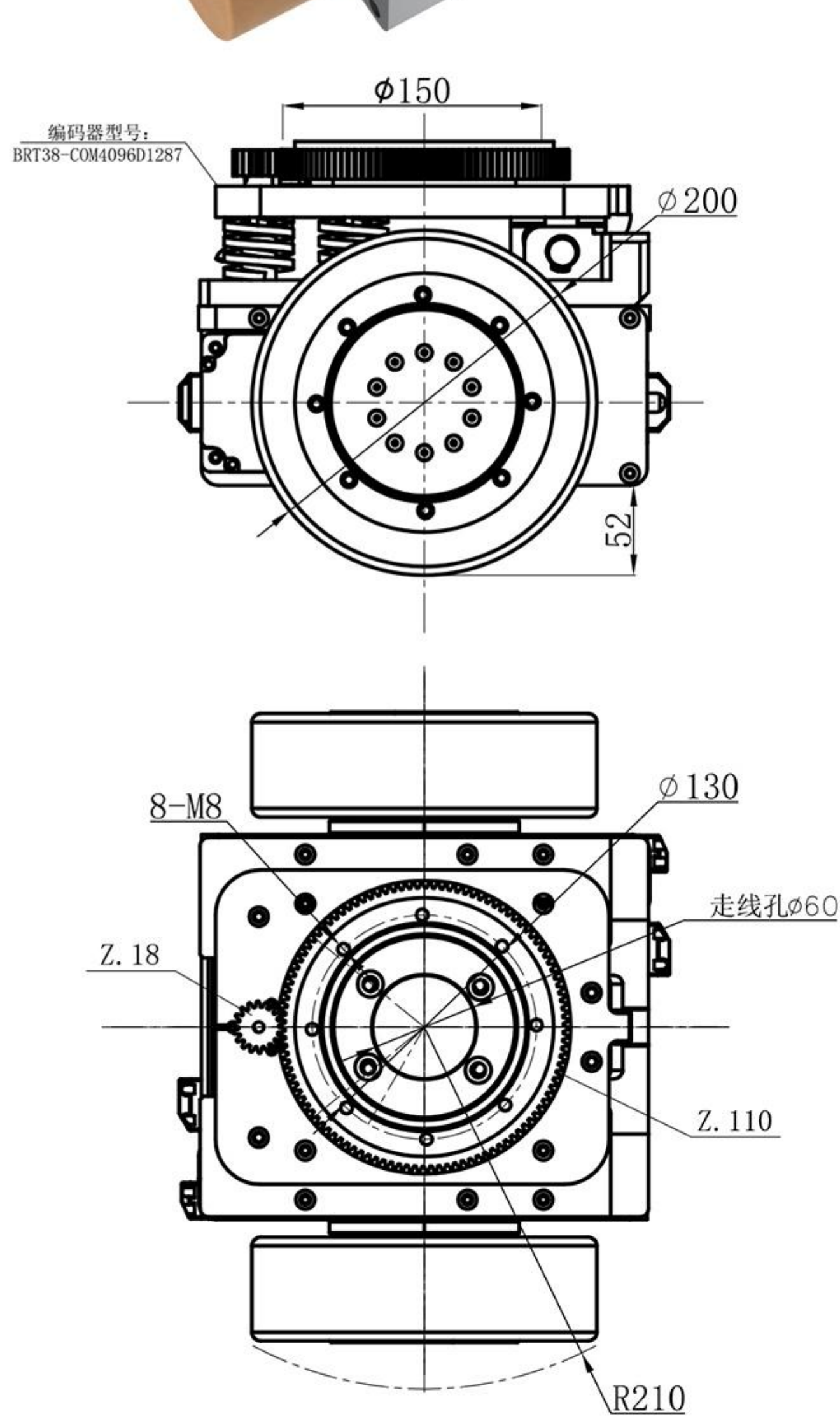
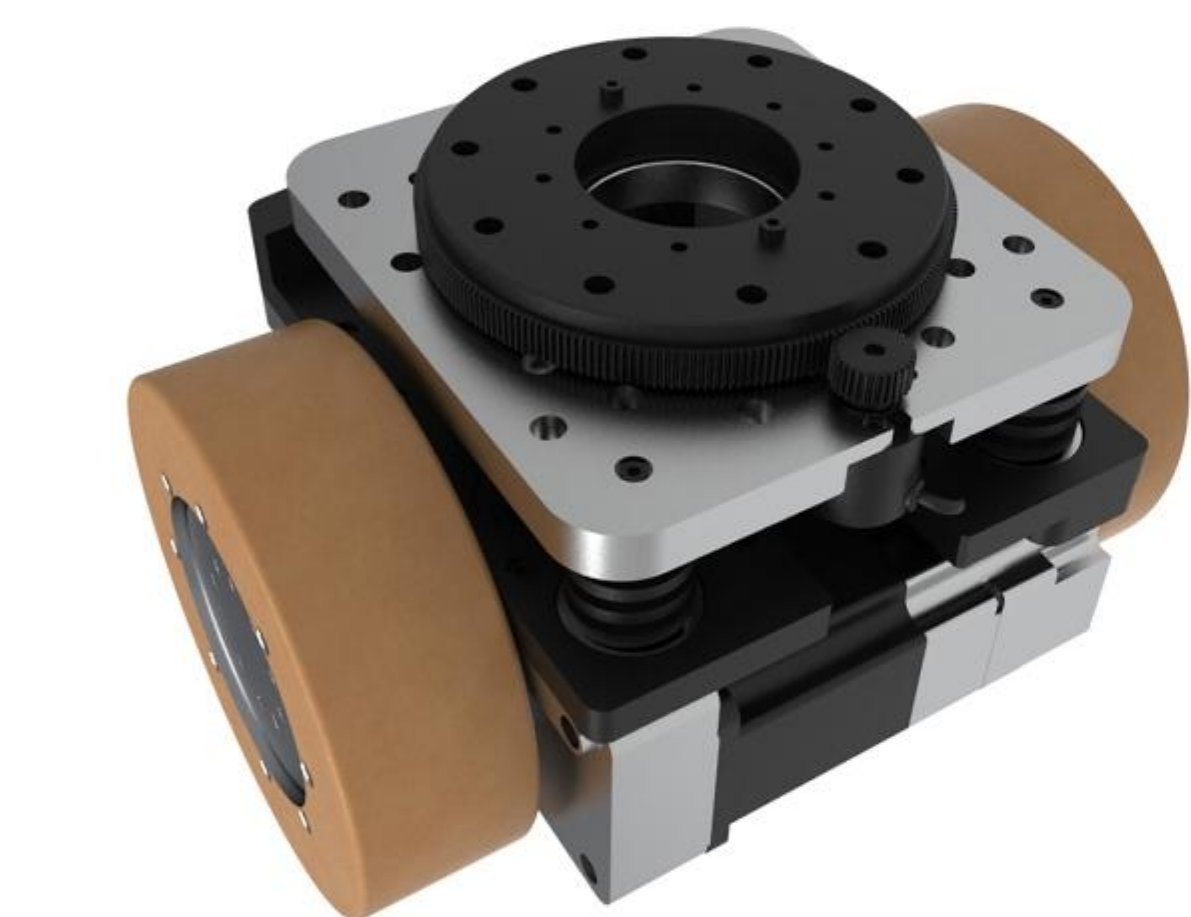
PLT-120-D



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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

PLT-200-D

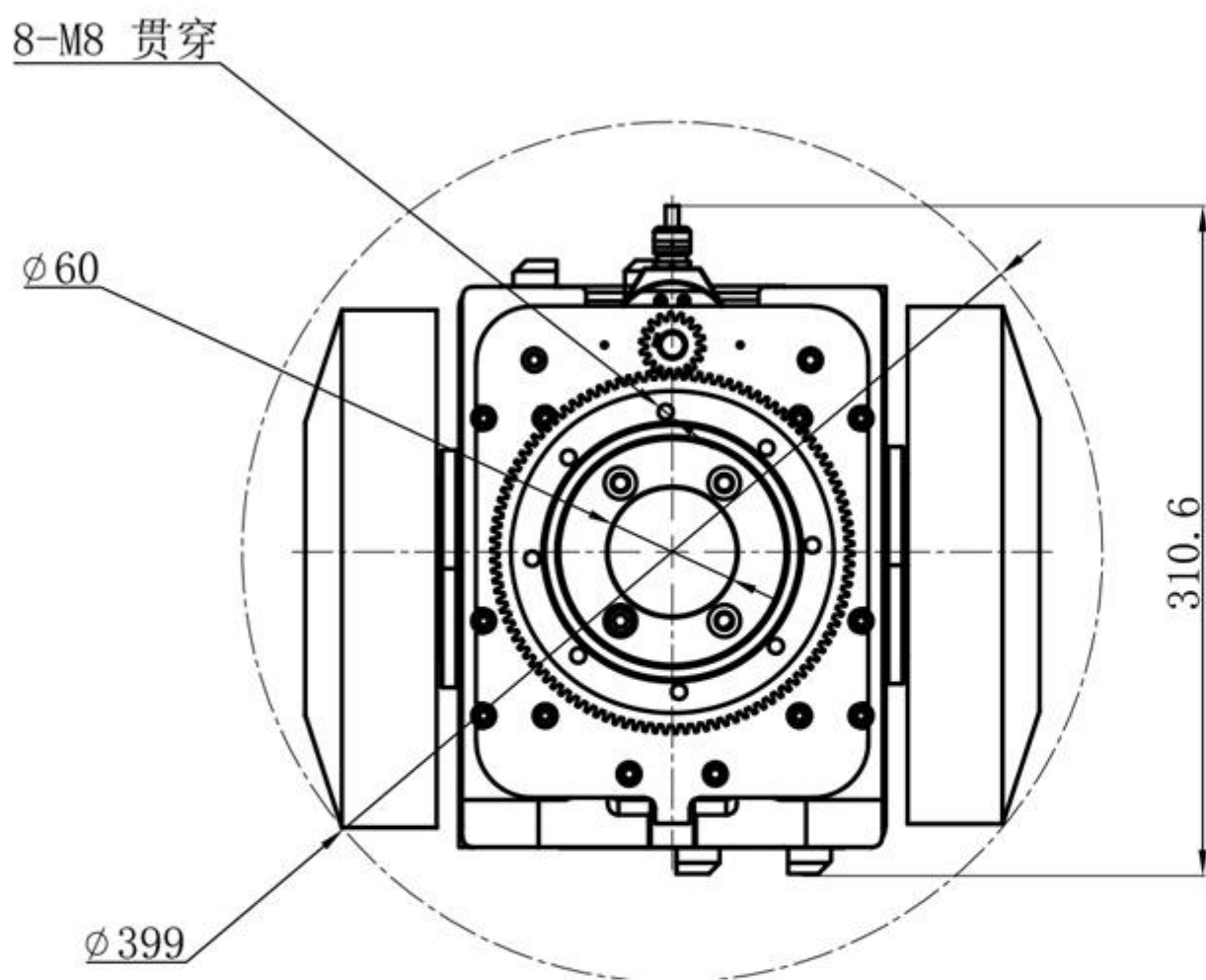
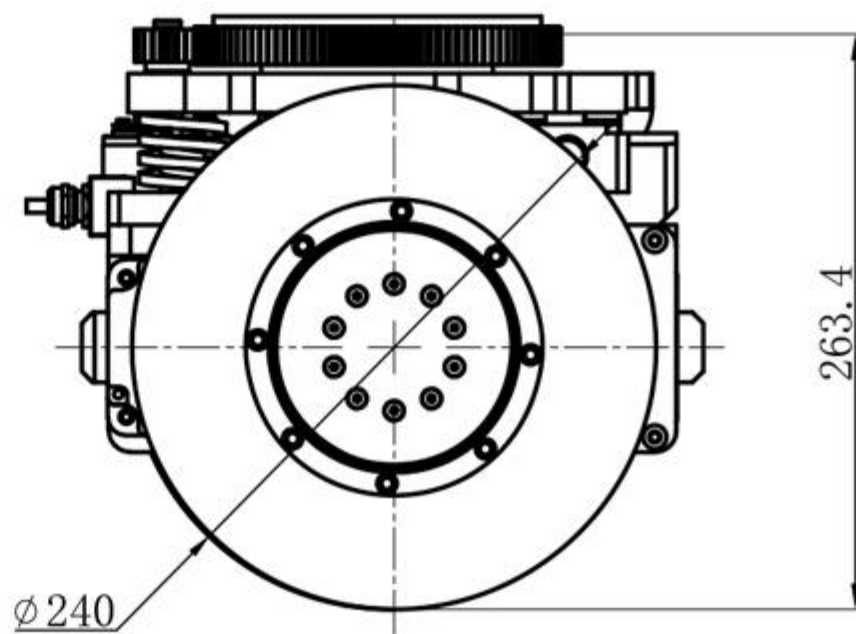
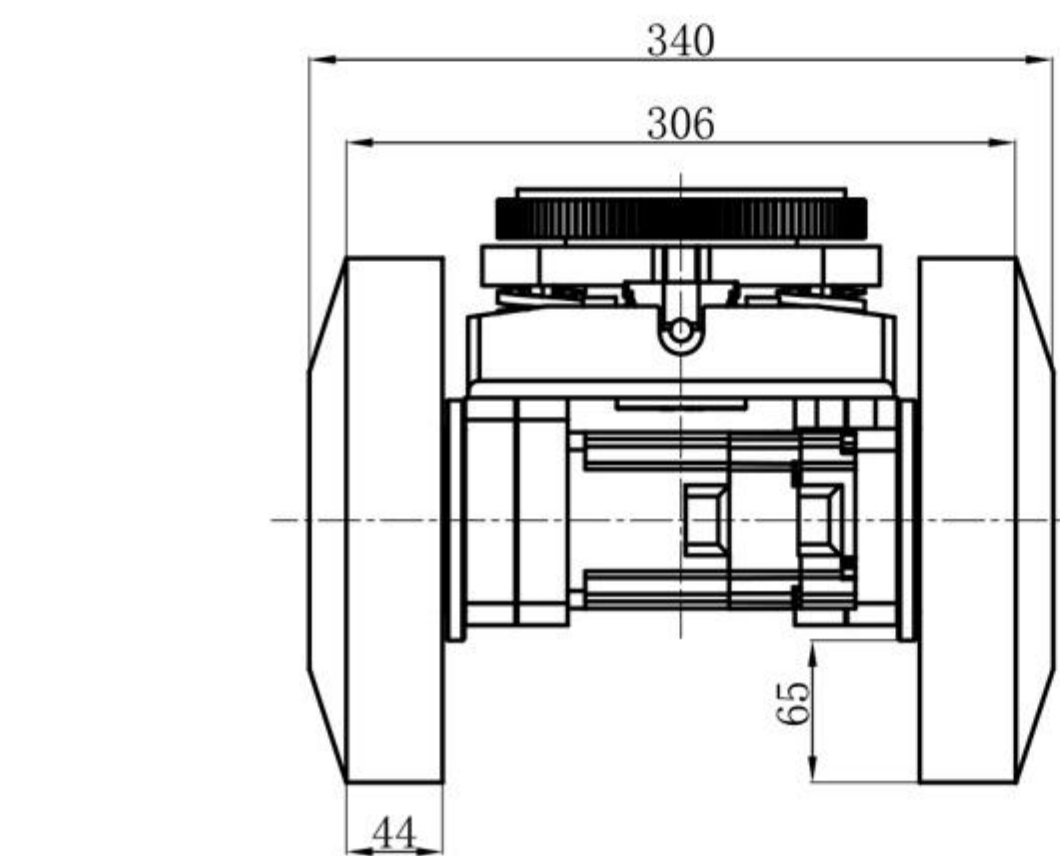
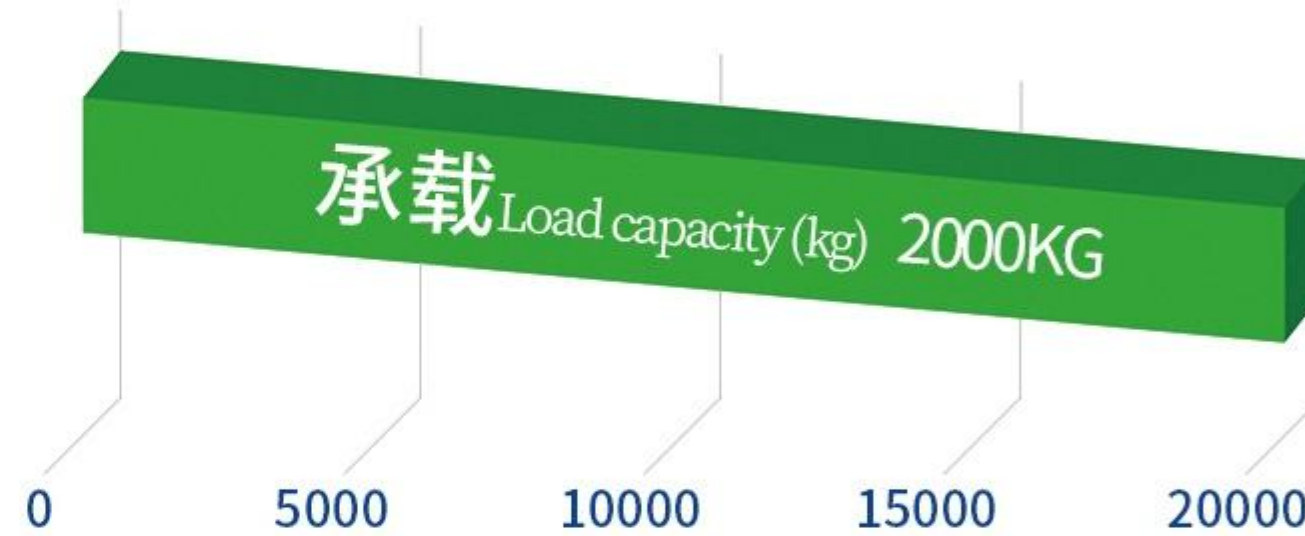
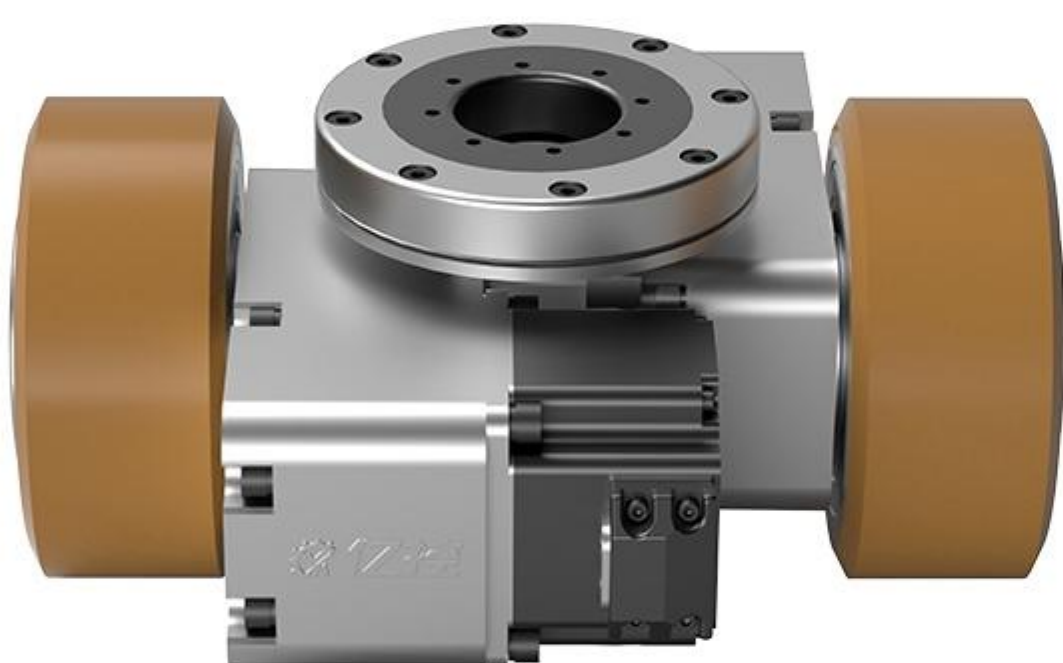


电机类型Series	伺服PMAC
功率 Power(w)	1500
电压 Voltage(V)	48
电流Current(A)	40
转速Speed(rpm)	3000
减速比Ratio(i)	24/32/45
承载 Load capacity(kg)	2000
IP等级IP grade	65



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PLT-240-D

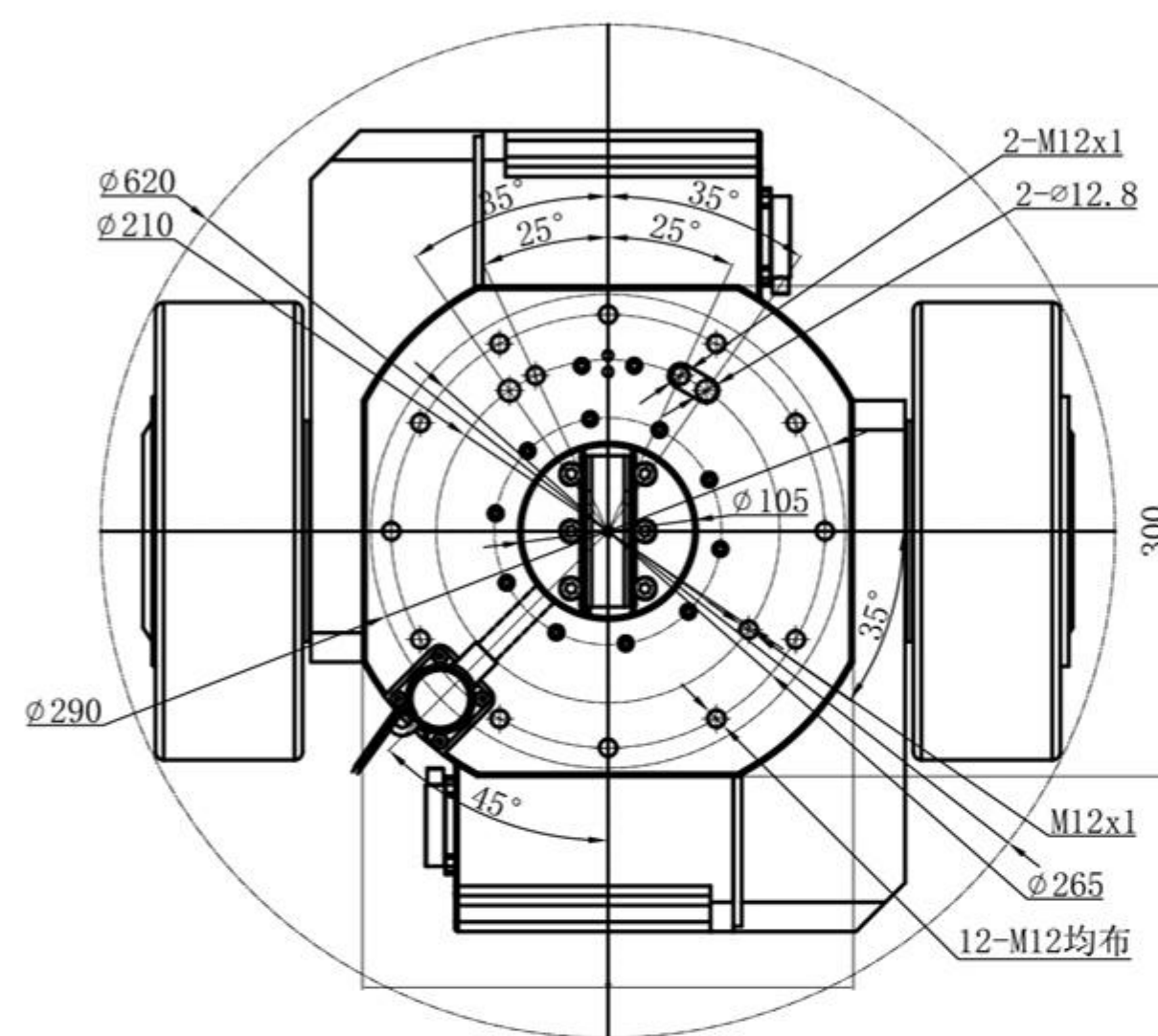
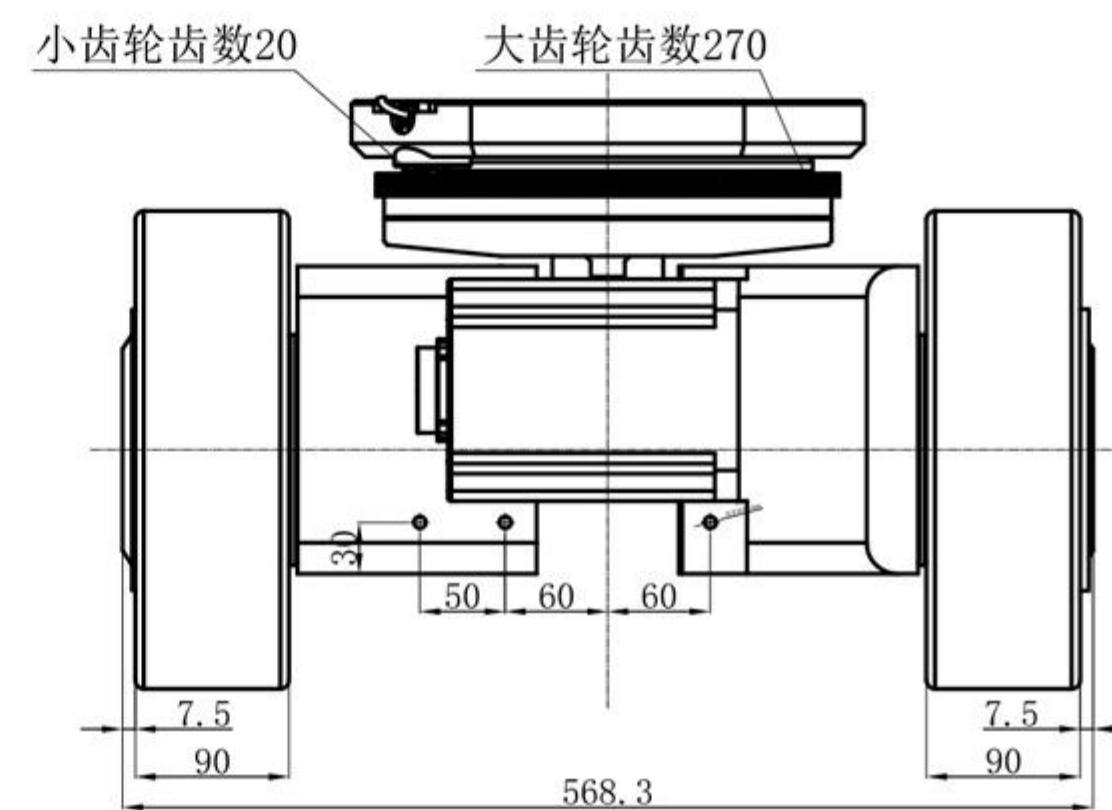
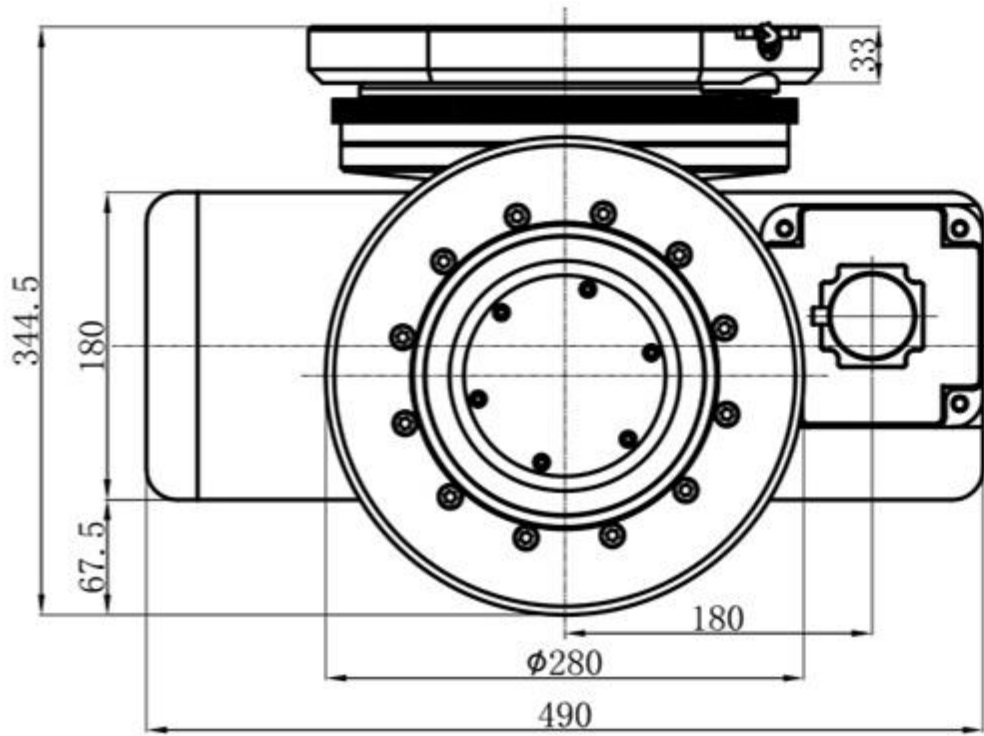
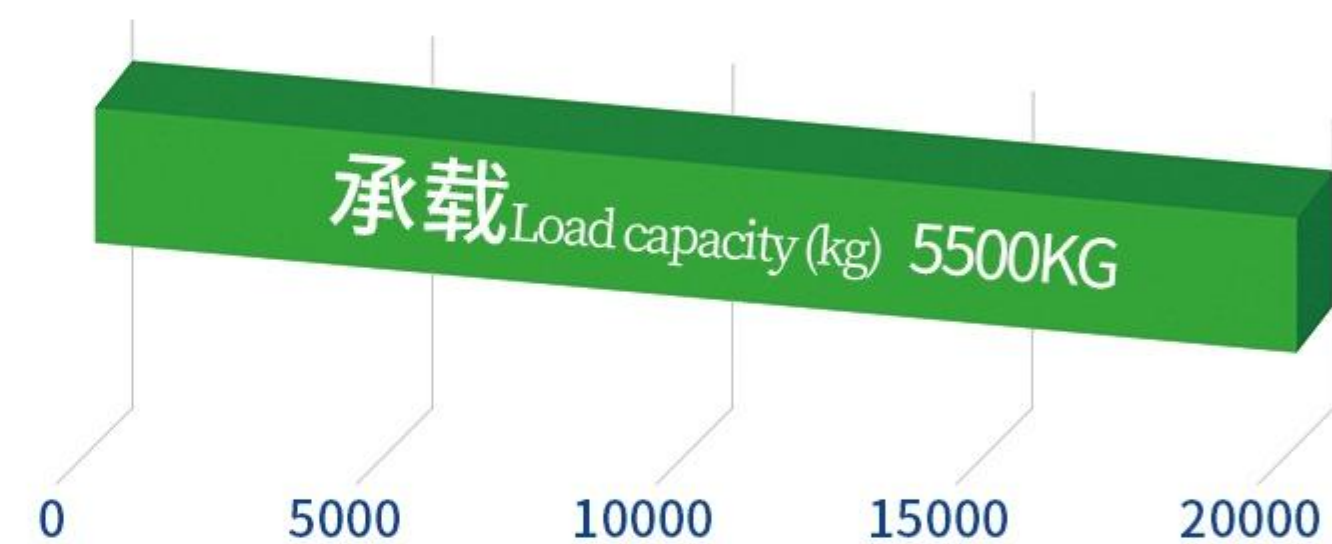
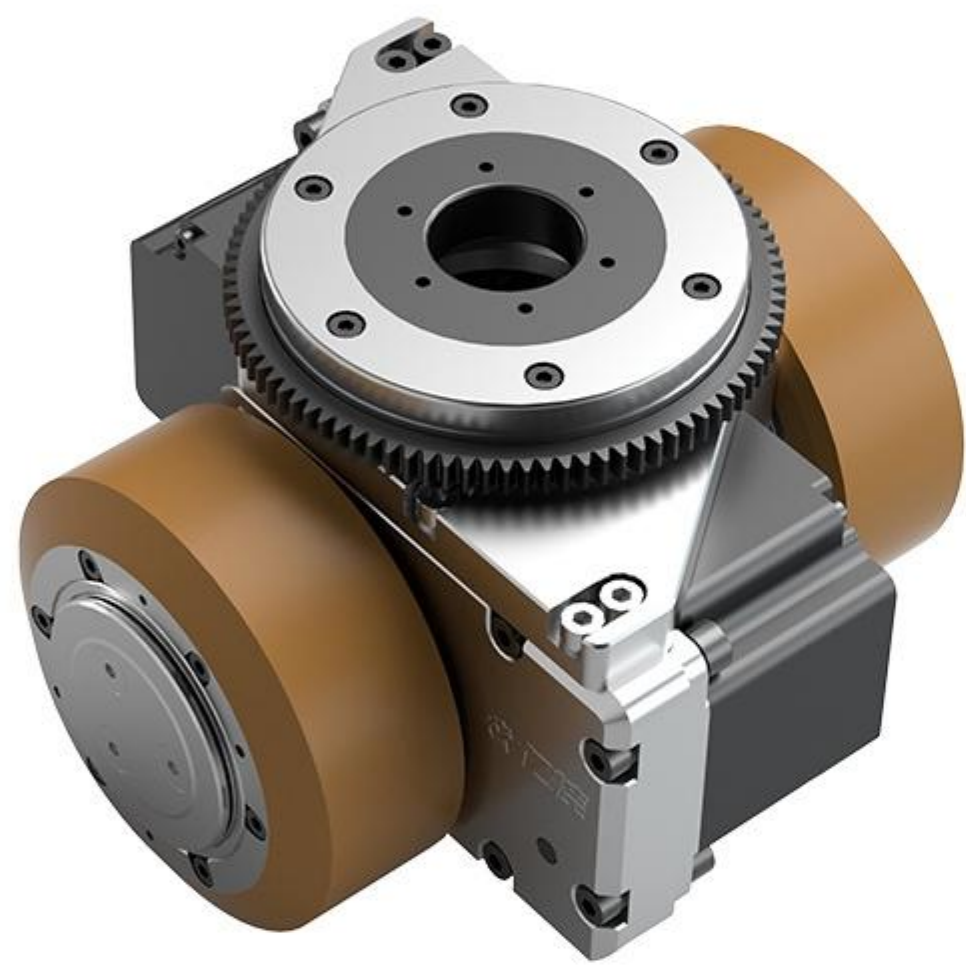


电机类型Series	伺服PMAC
功率 Power(w)	750
电压 Voltage(V)	48
电流Current(A)	19.6
转速Speed(rpm)	3000
减速比Ratio(i)	24
承载 Load capacity(kg)	2000
IP等级IP grade	65



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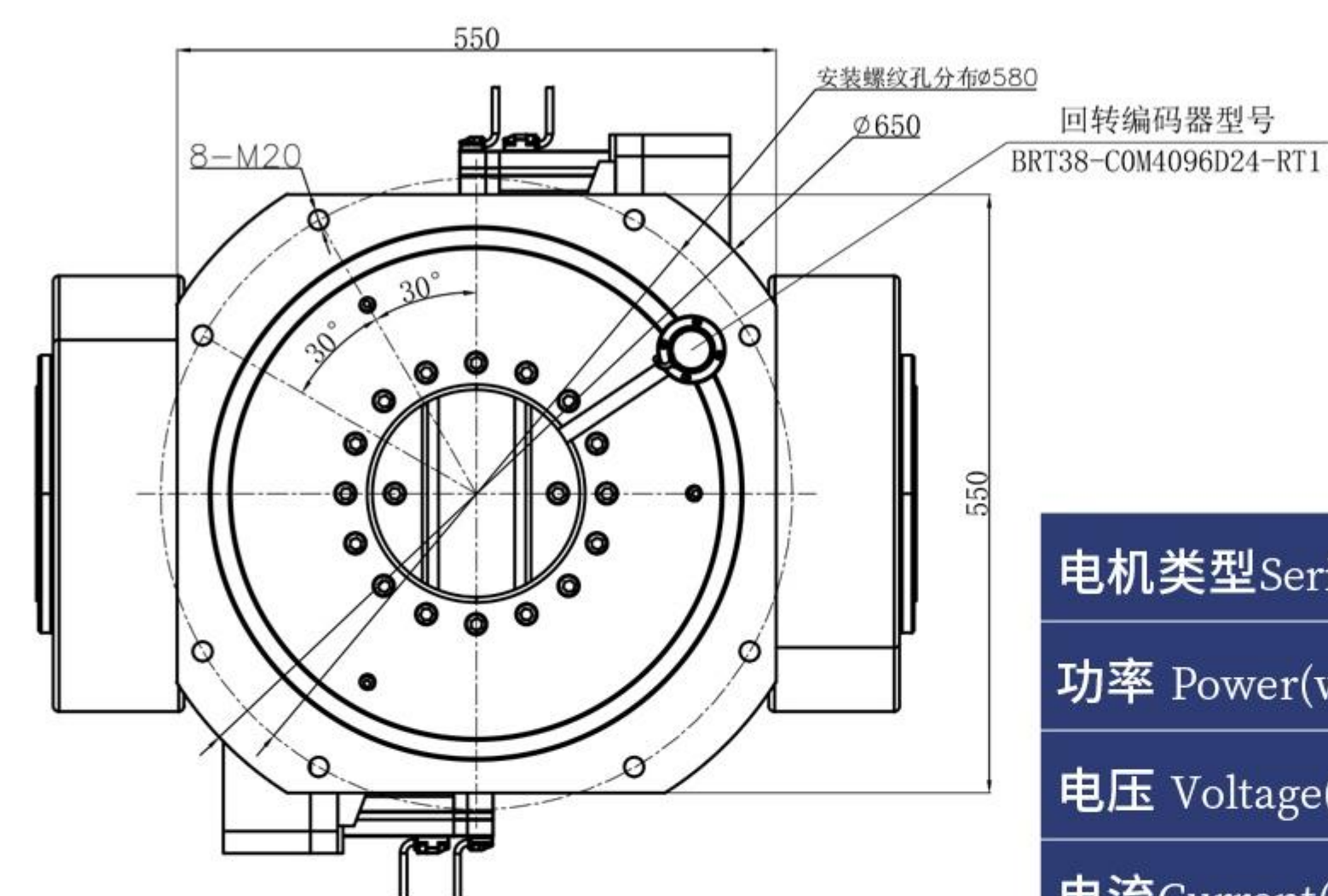
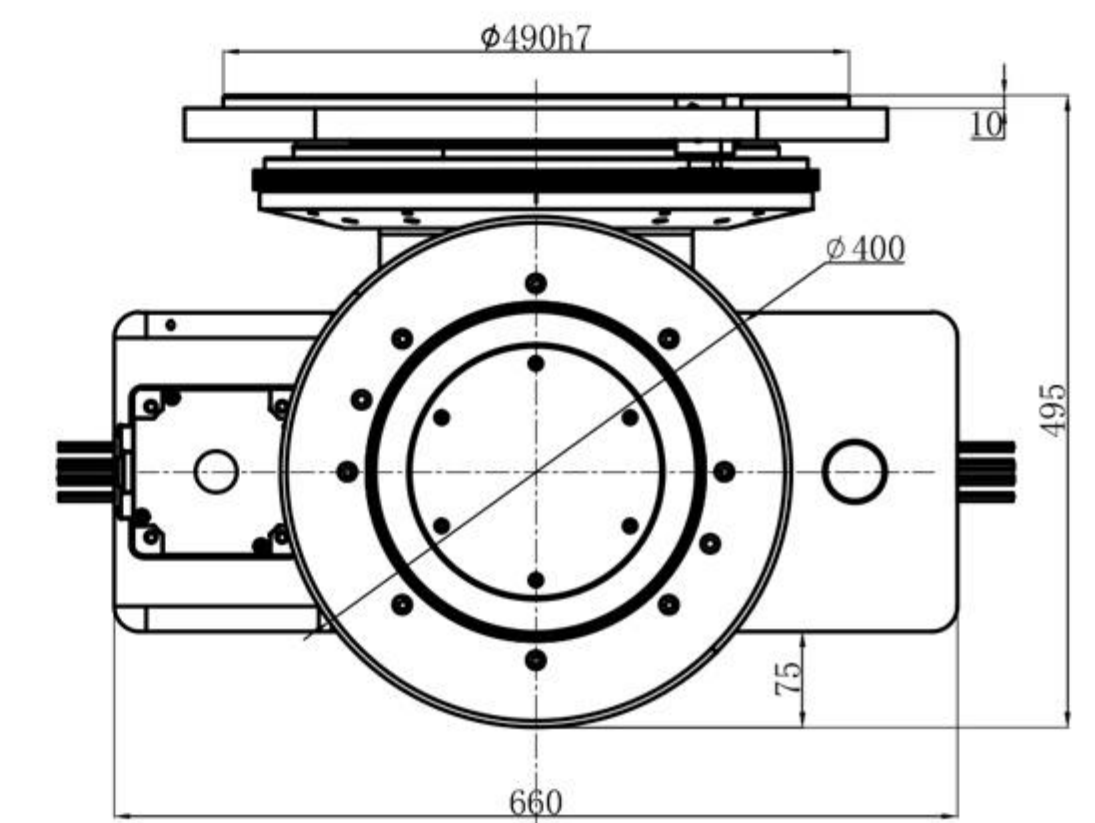
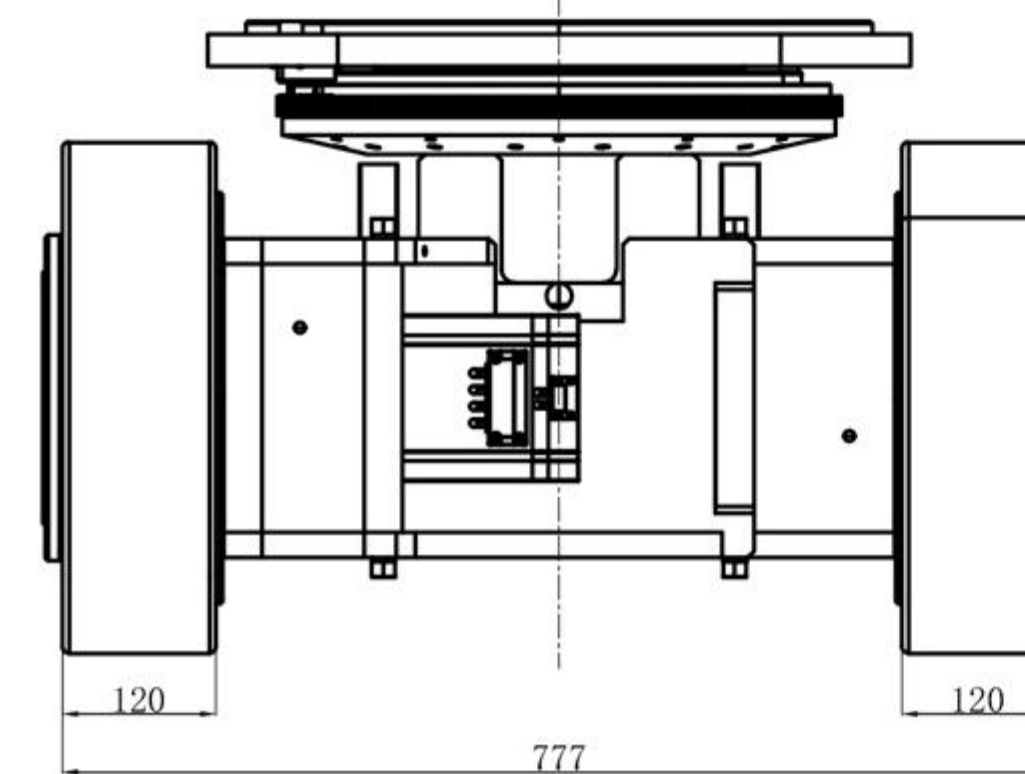
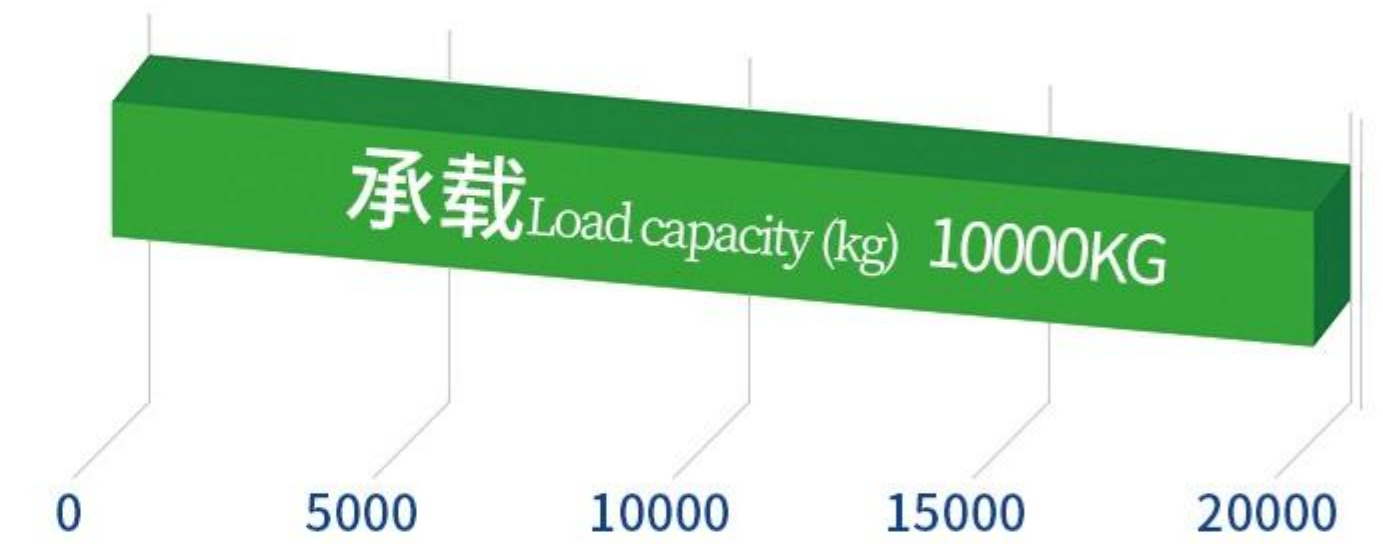
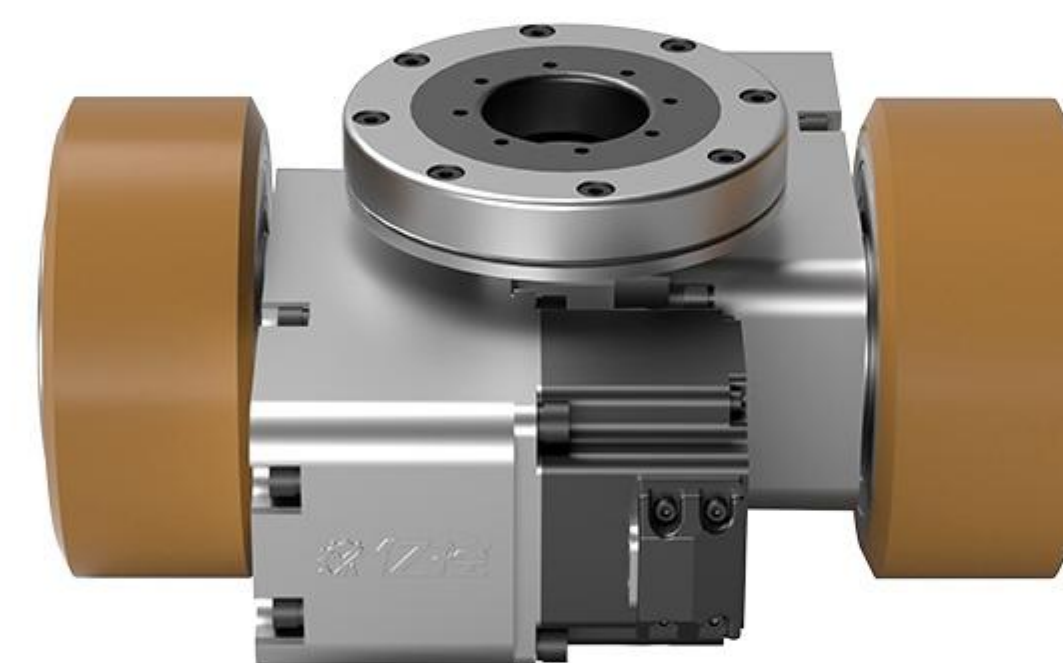
PLT-280-D



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电机类型Series	伺服PMAC
功率 Power(w)	2000
电压 Voltage(V)	48
电流Current(A)	53
转速Speed(rpm)	3000
减速比Ratio(i)	55
承载Load capacity(kg)	5500
IP等级IP grade	54

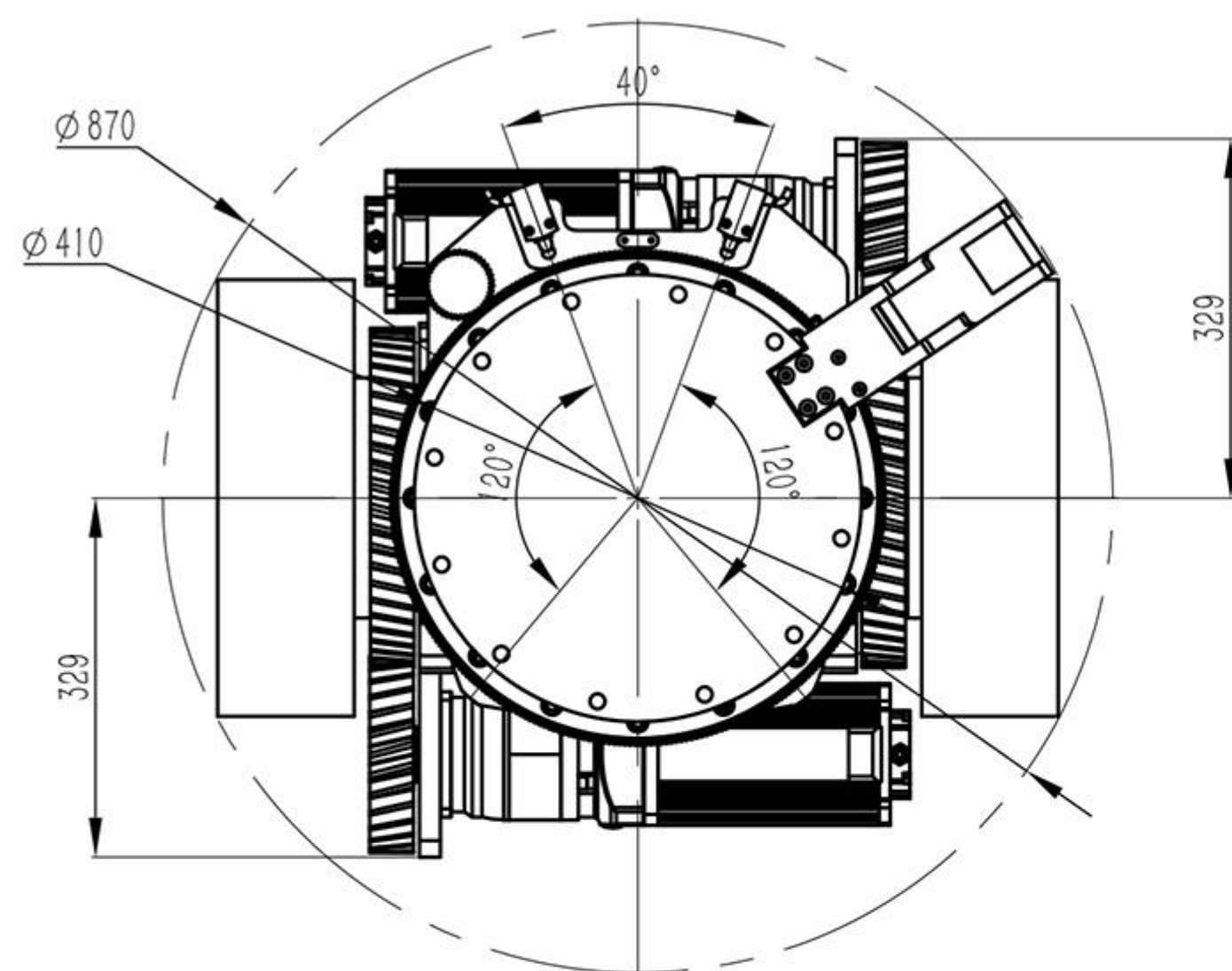
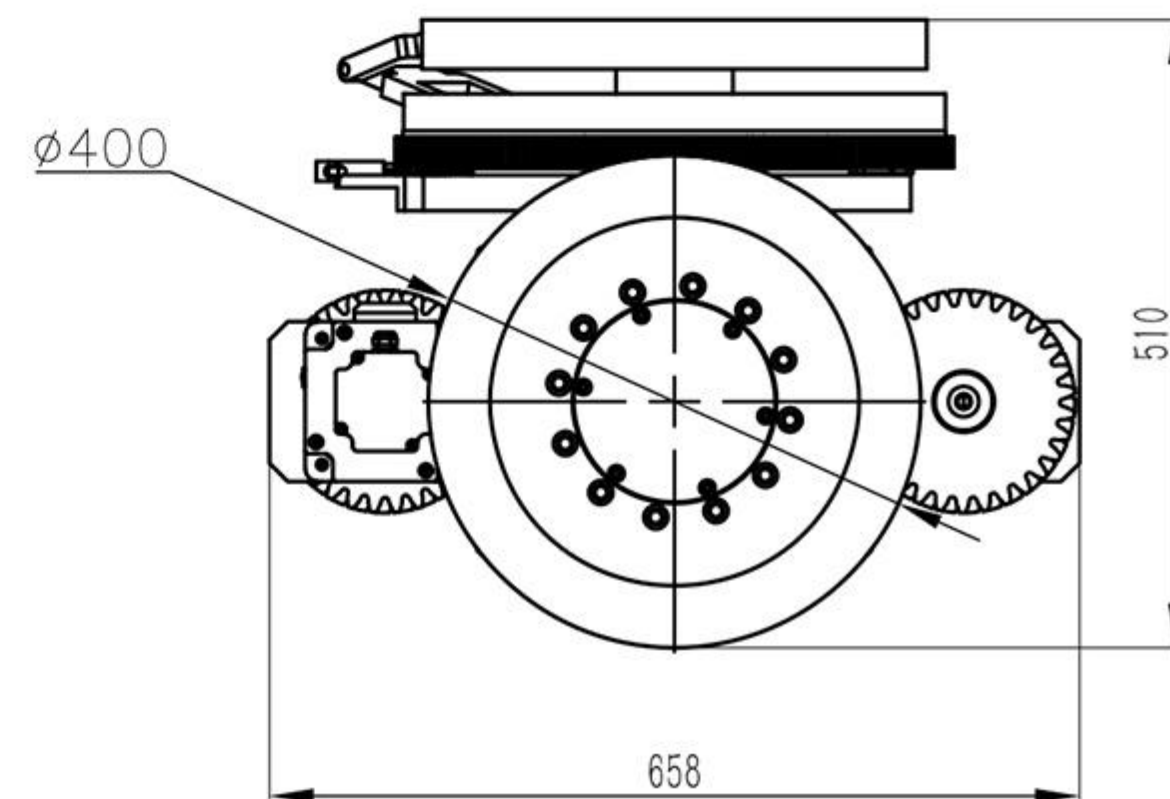
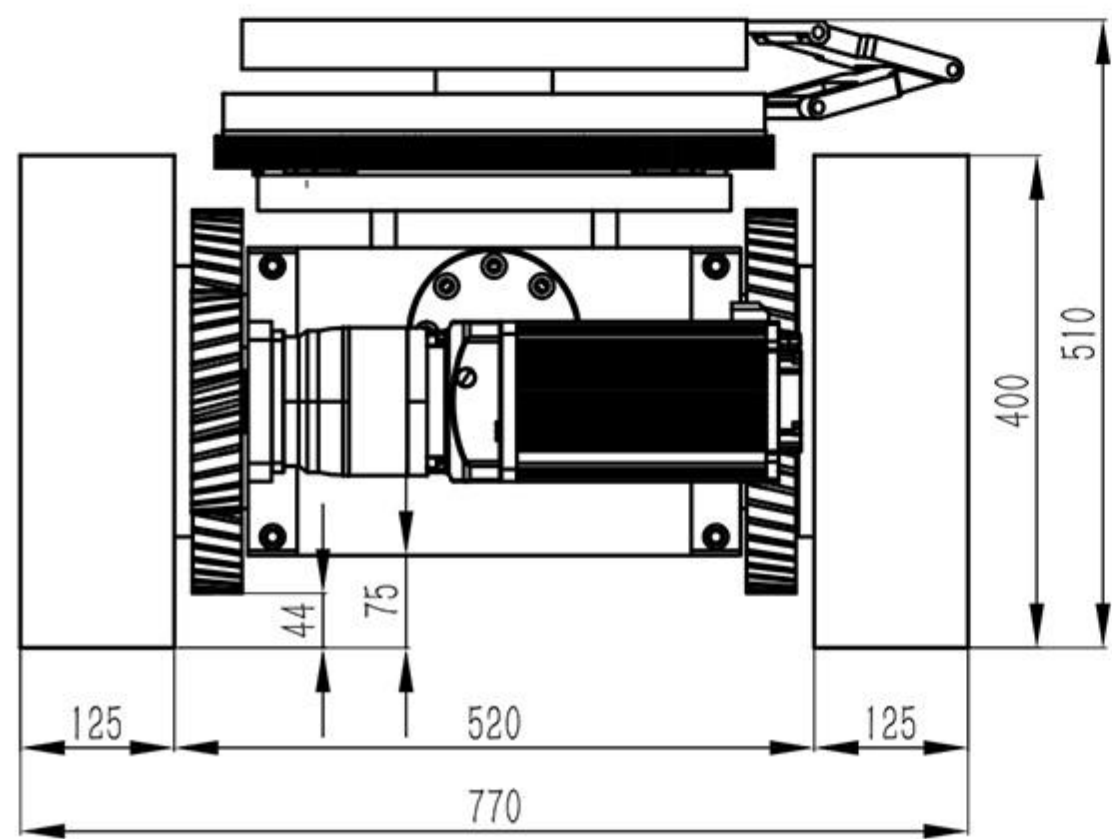
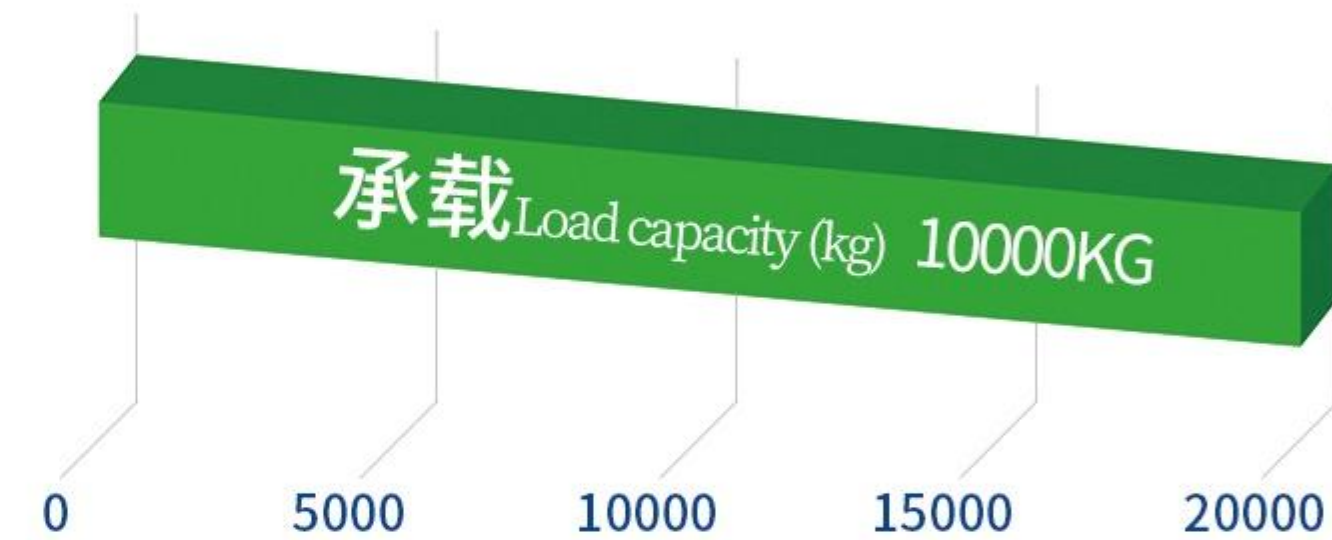
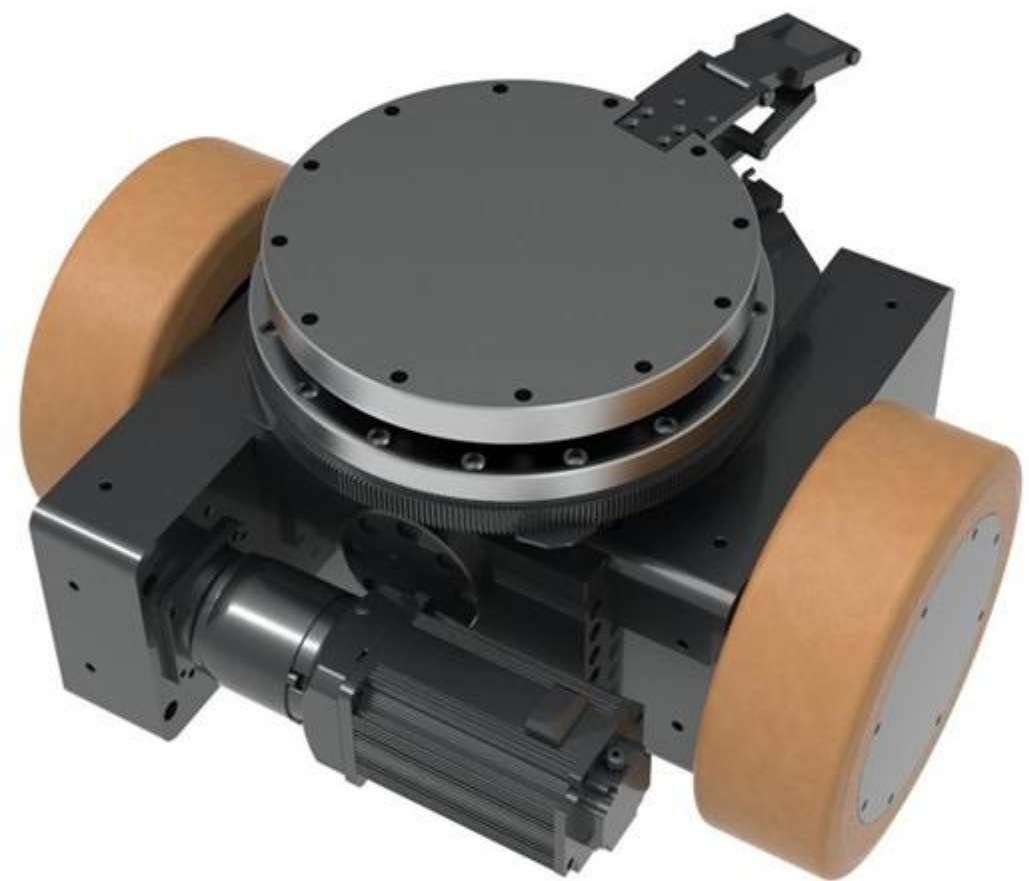
PLT-400-D



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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)	42
转速Speed(rpm)	3000
减速比Ratio(i)	80
承载Load capacity(kg)	10000
IP等级IP grade	54

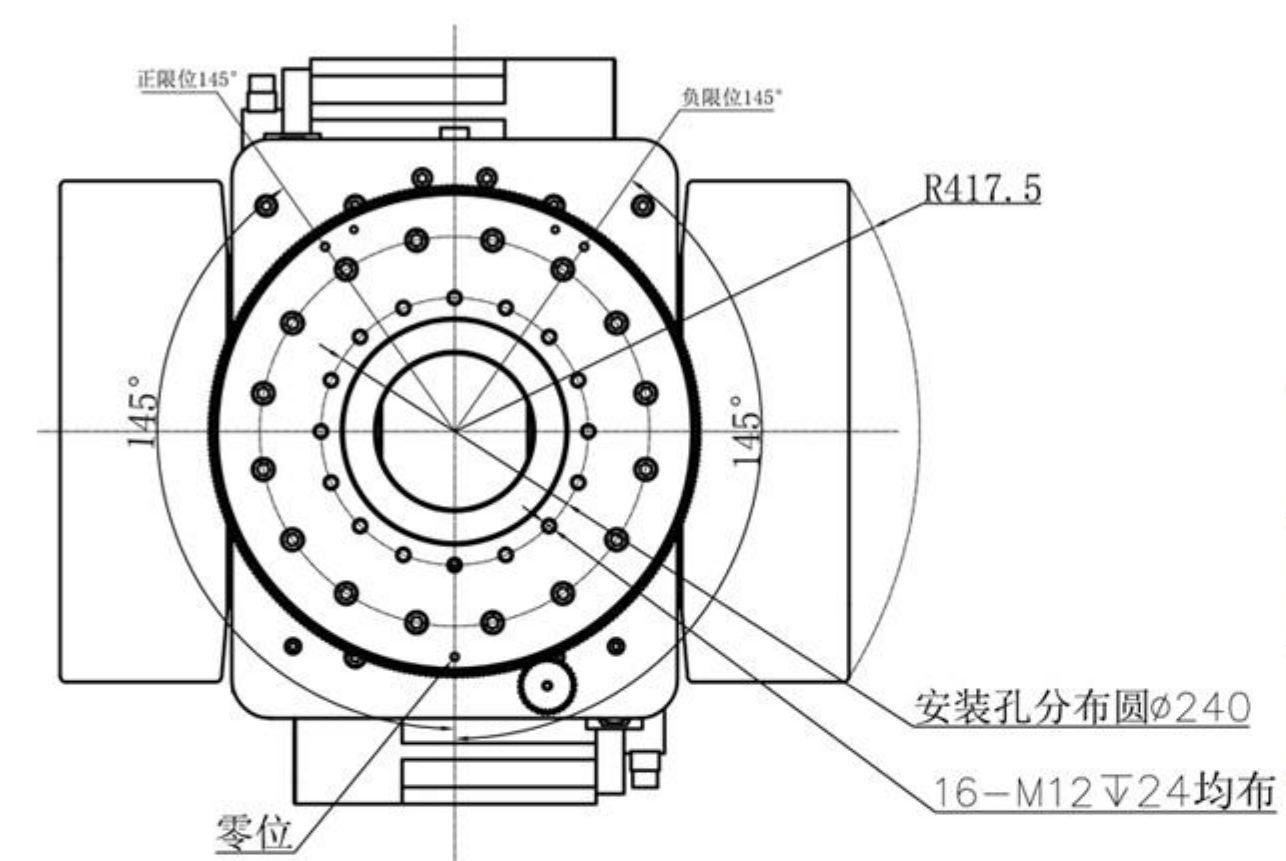
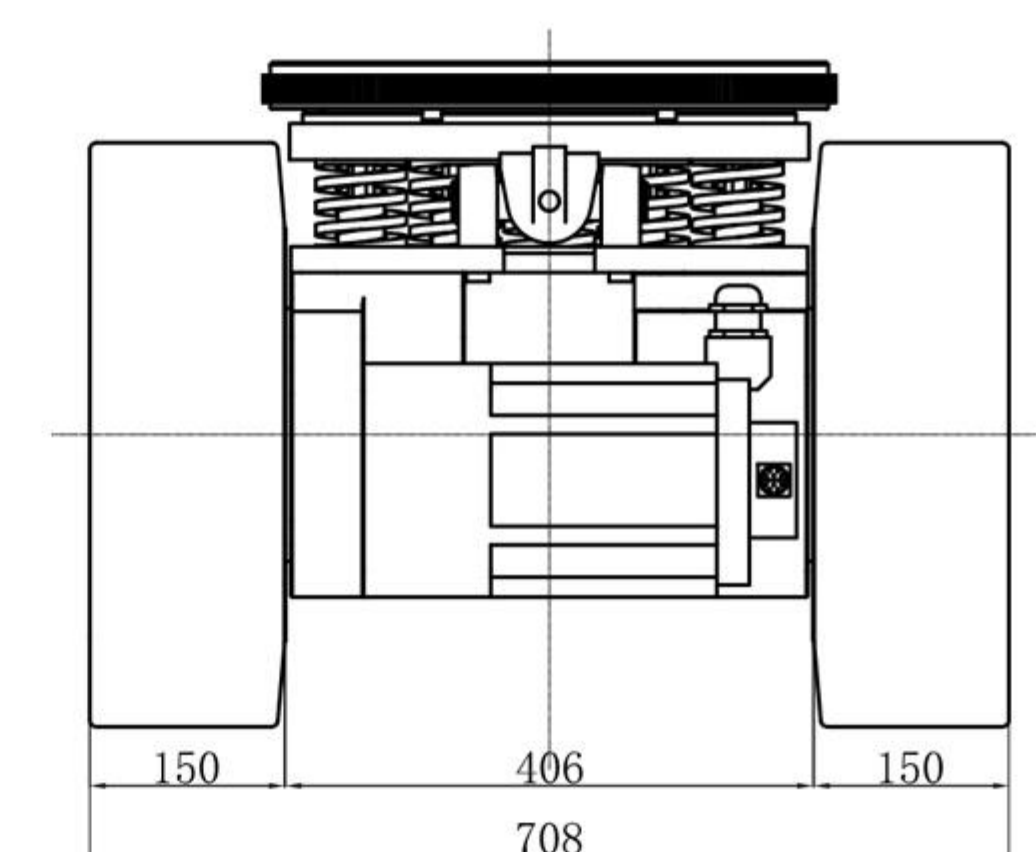
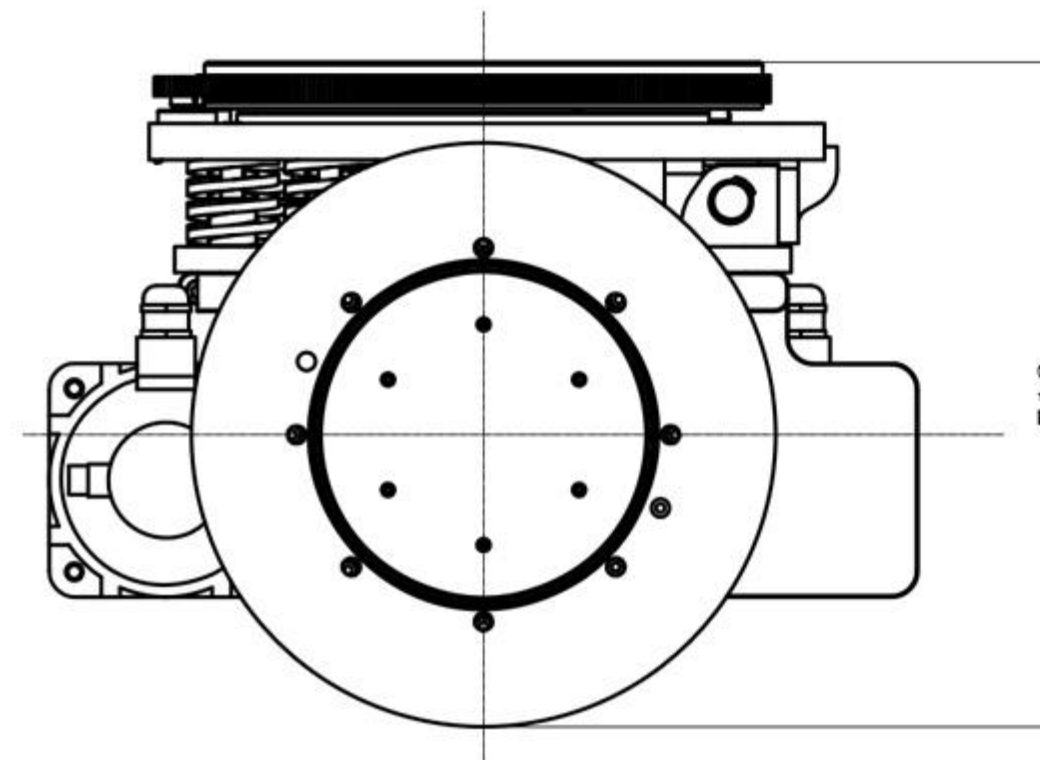
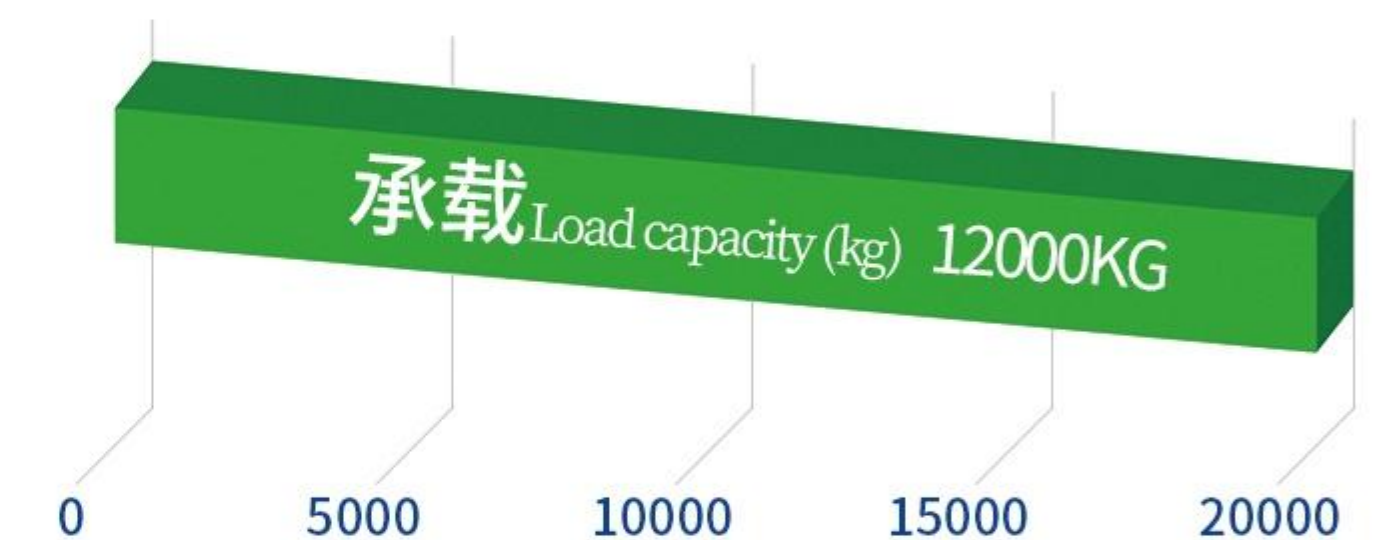
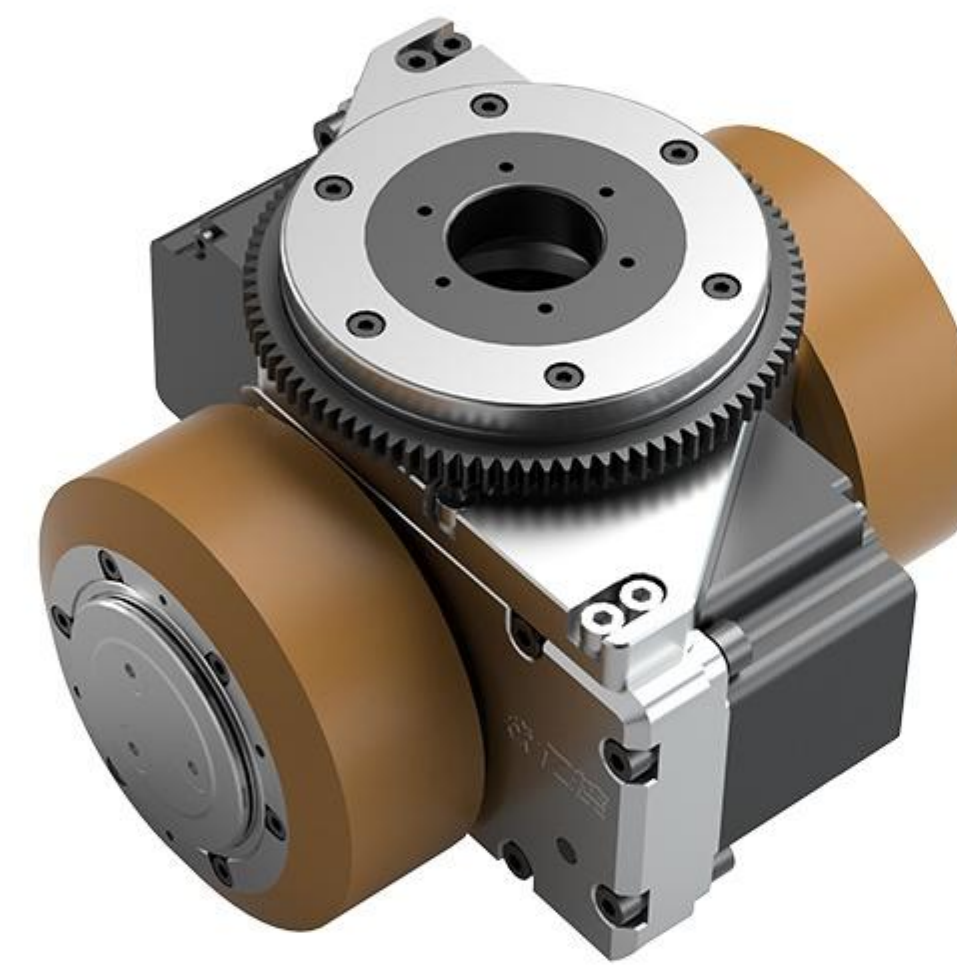
PLT-400-Y



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电机类型Series	伺服PMAC
功率 Power(w)	3000
电压 Voltage(V)	48
电流Current(A)	79
转速Speed(rpm)	2000
减速比Ratio(i)	88
承载Load capacity(kg)	10000
IP等级IP grade	54

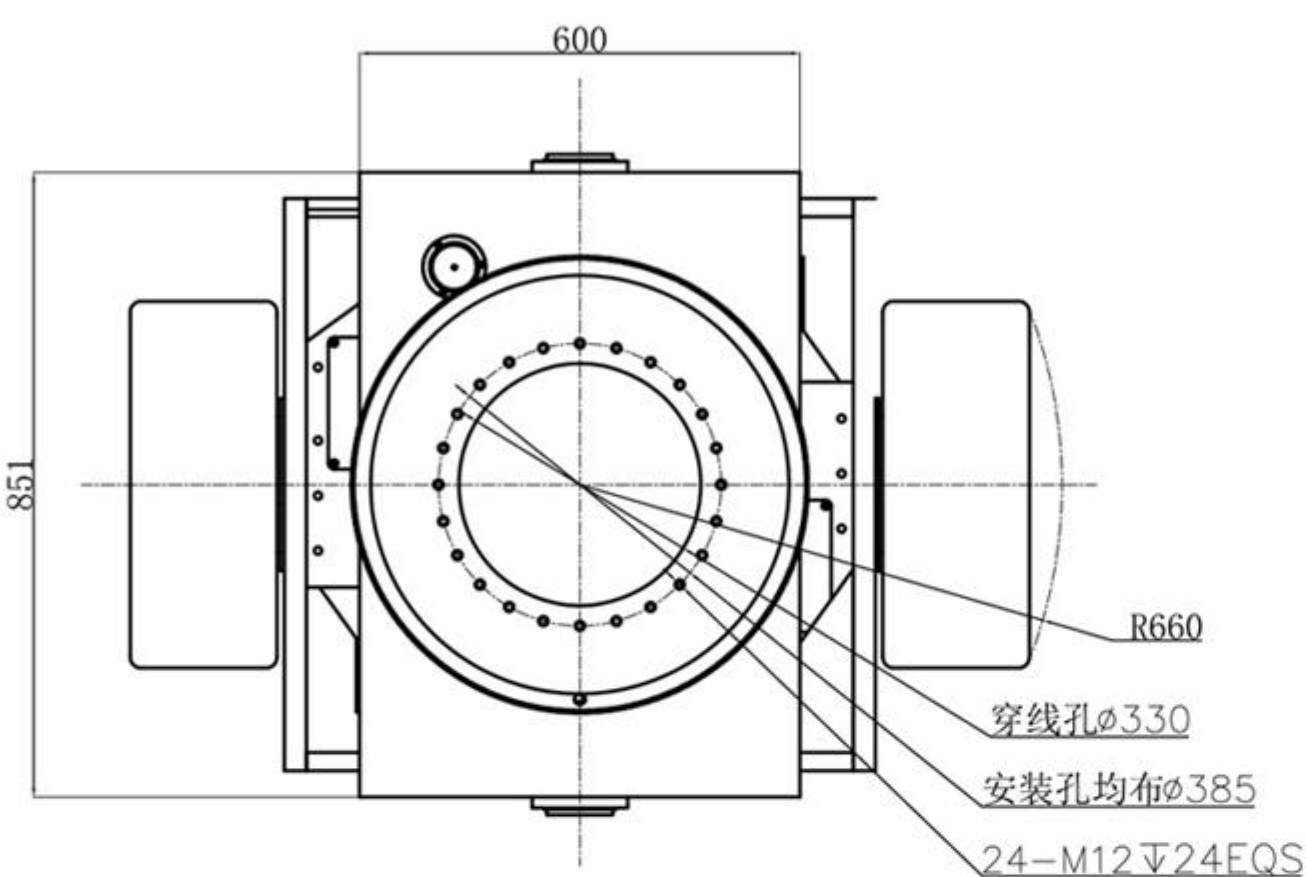
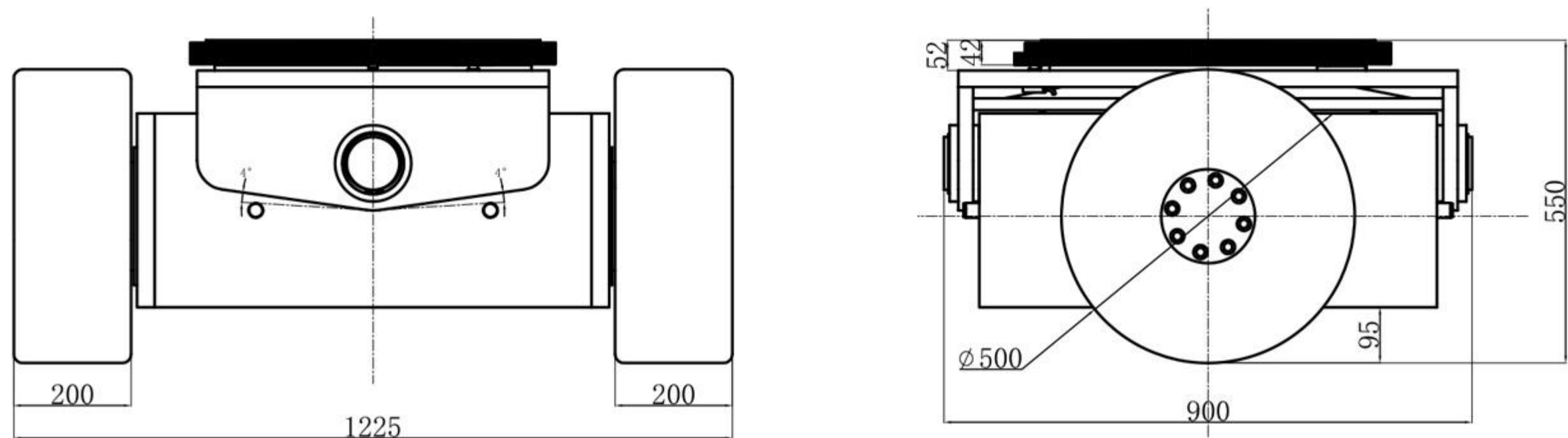
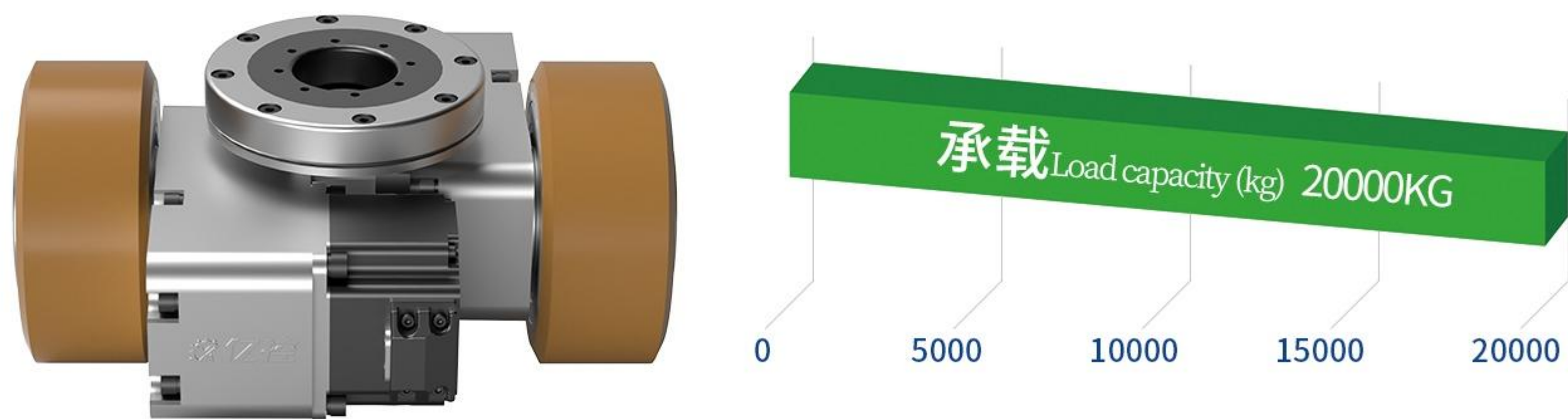
PLT-450-D



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电机类型Series	伺服PMAC
功率 Power(w)	4300
电压 Voltage(V)	72
电流Current(A)	74.6
转速Speed(rpm)	1500
减速比Ratio(i)	24
承载Load capacity(kg)	12000
IP等级IP grade	54

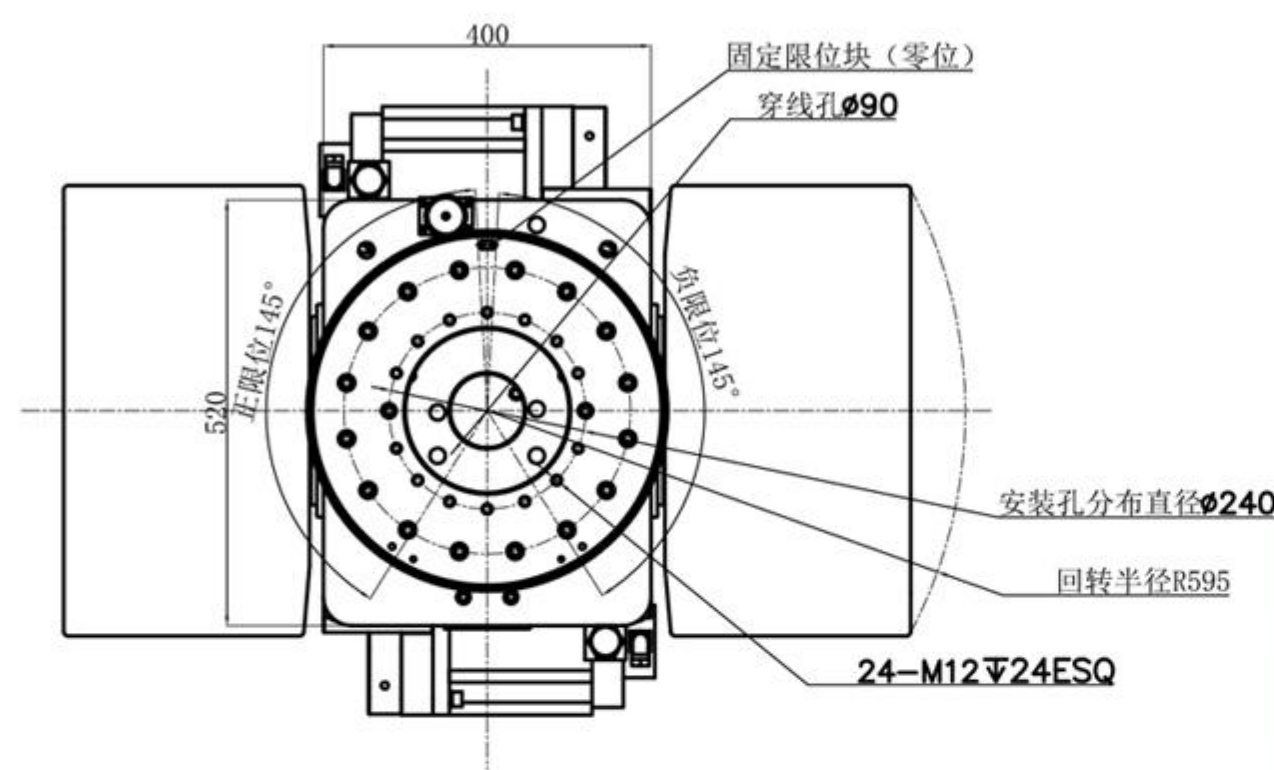
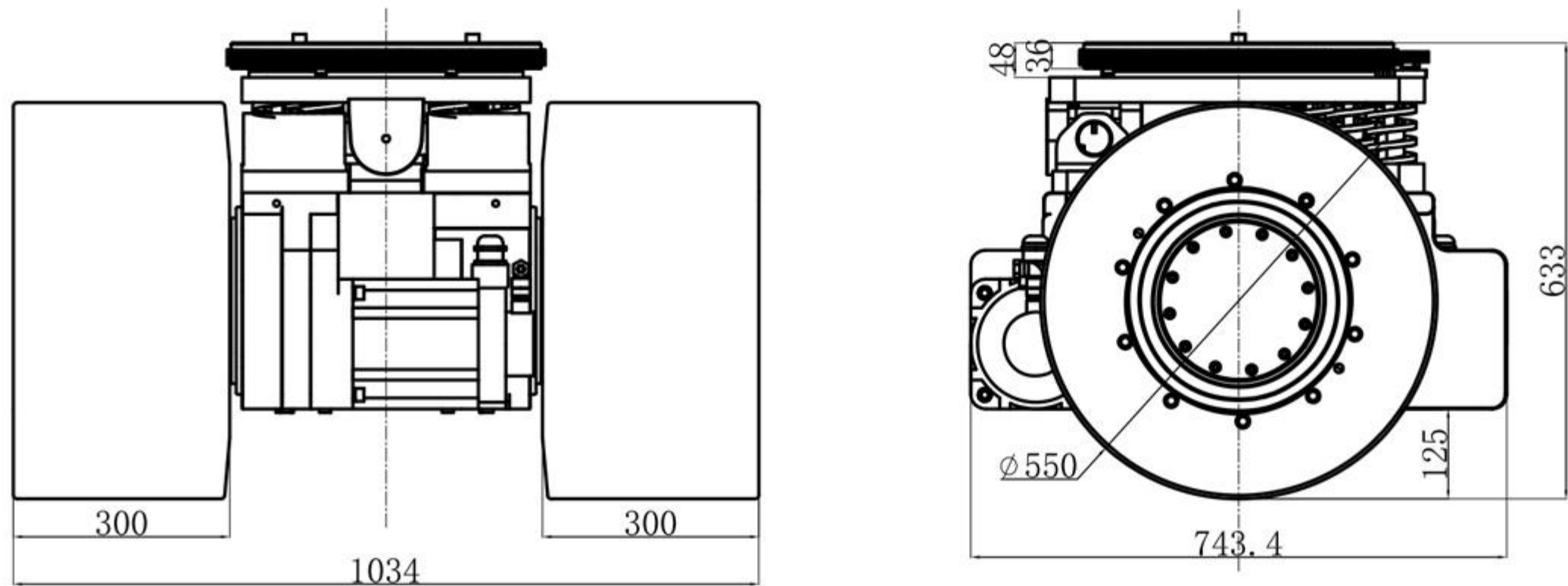
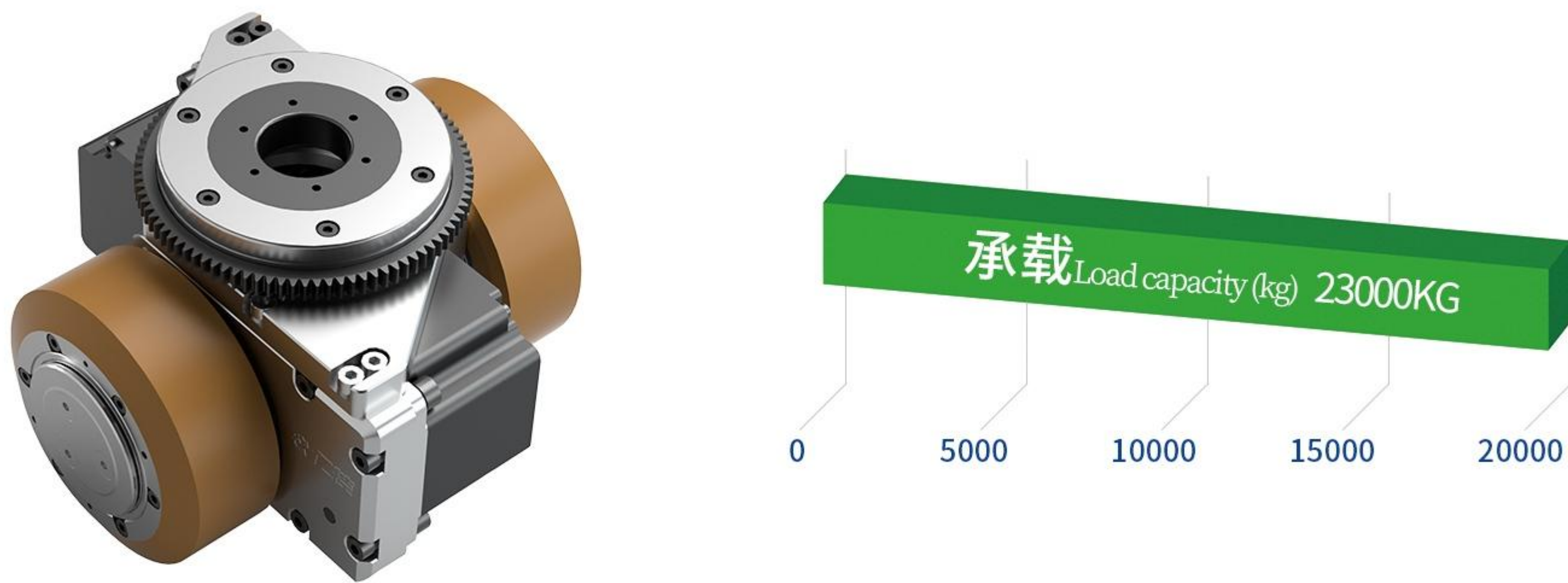
PLT-500-D



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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

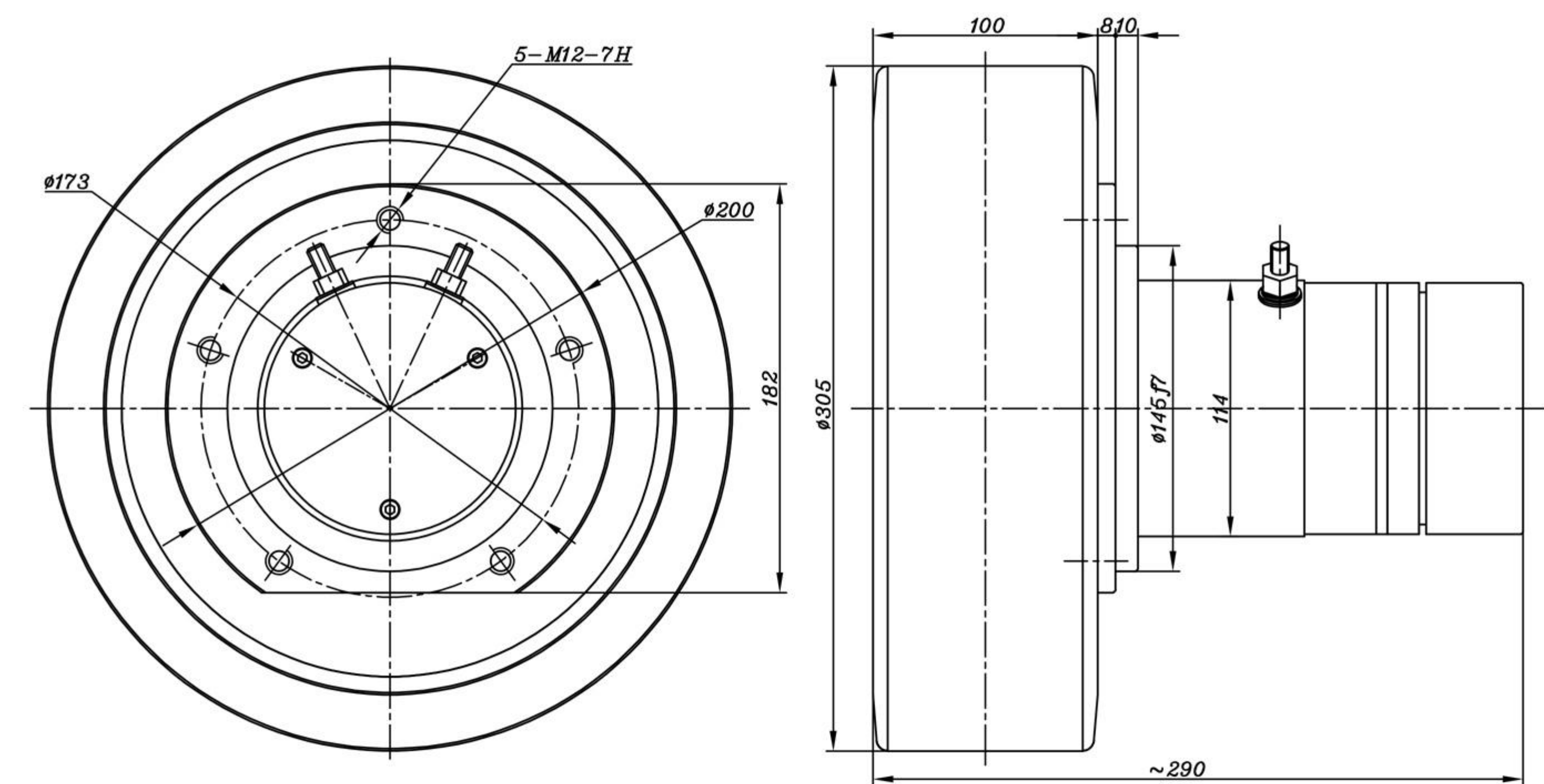
PLT-550-D



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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

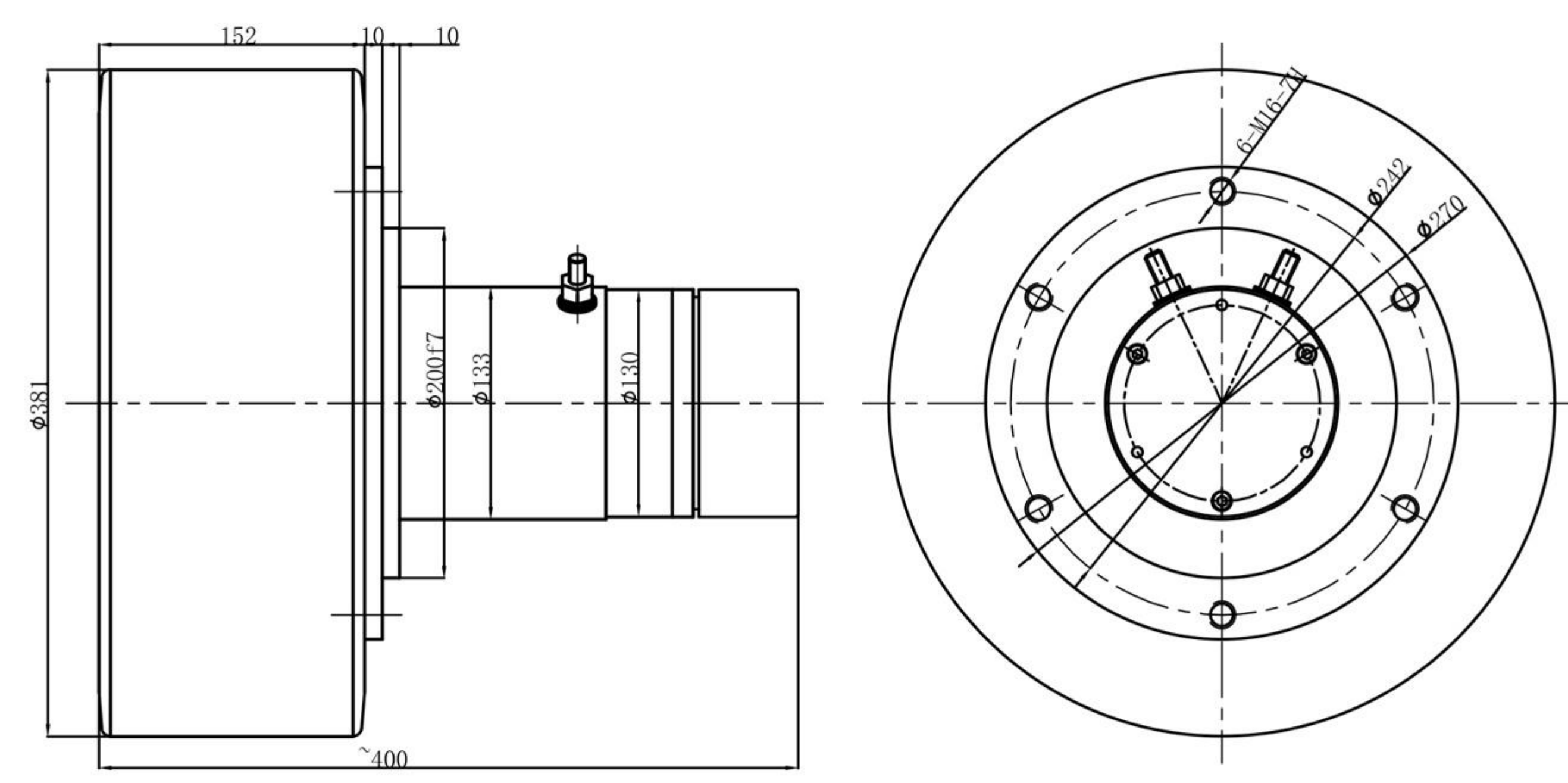
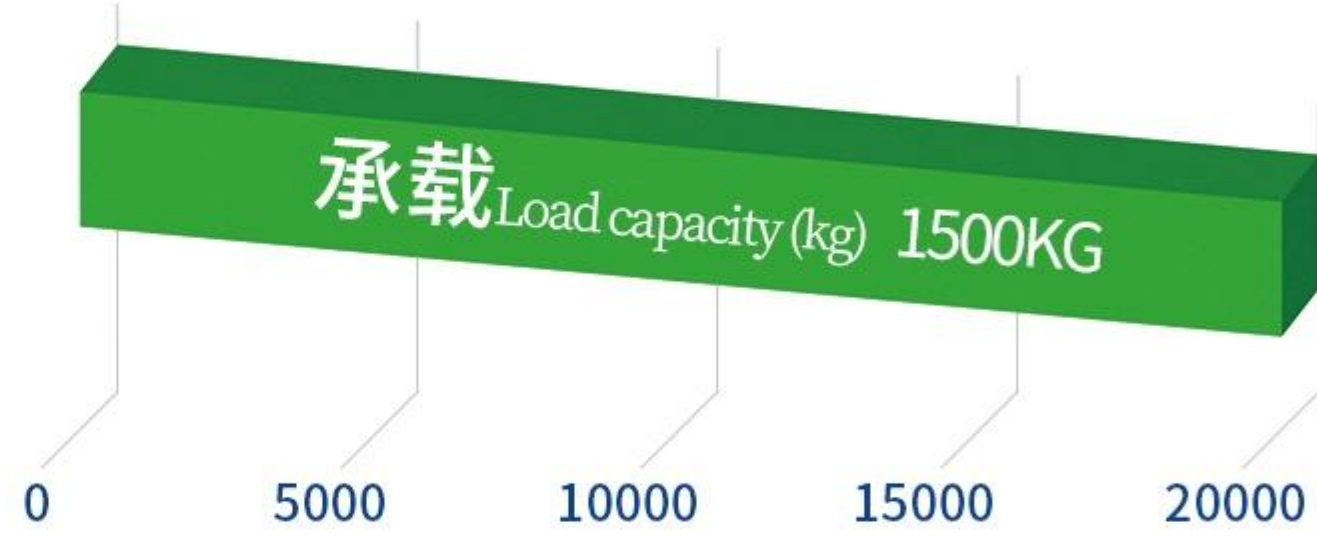
PLT-305P500D



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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

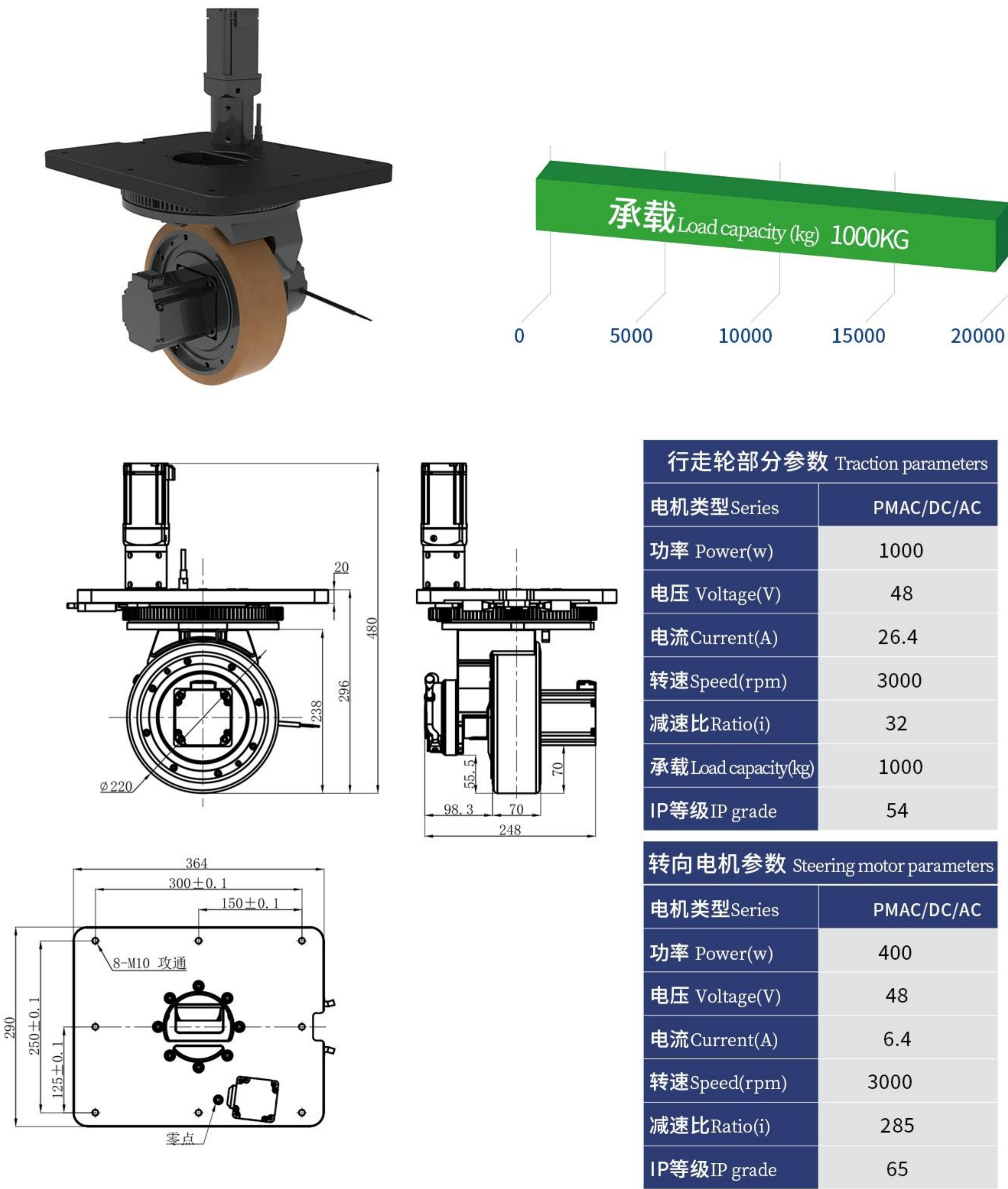
PLT-381P1500A



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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

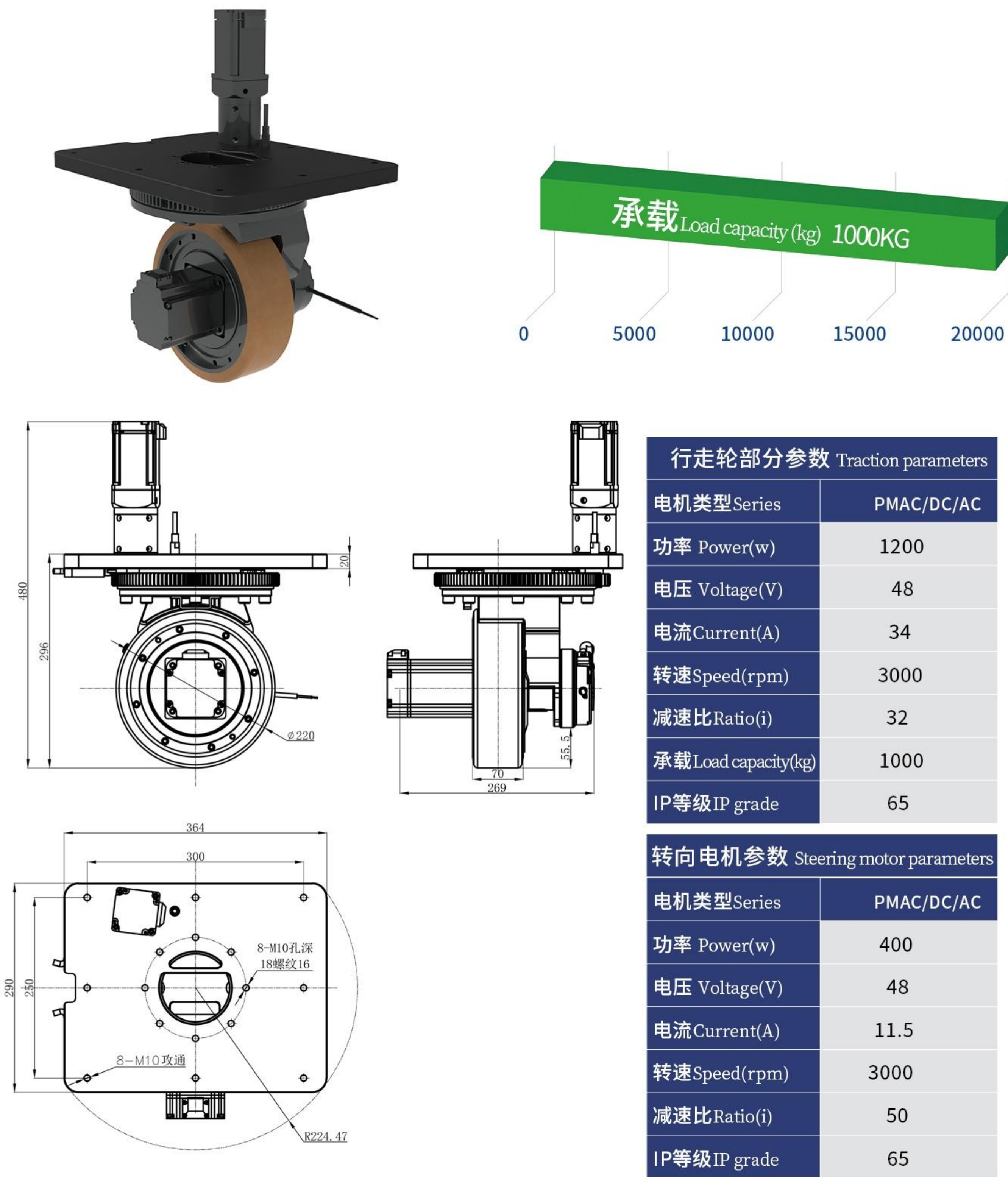
PLT220P102SF 舵轮 (Drive wheel)



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



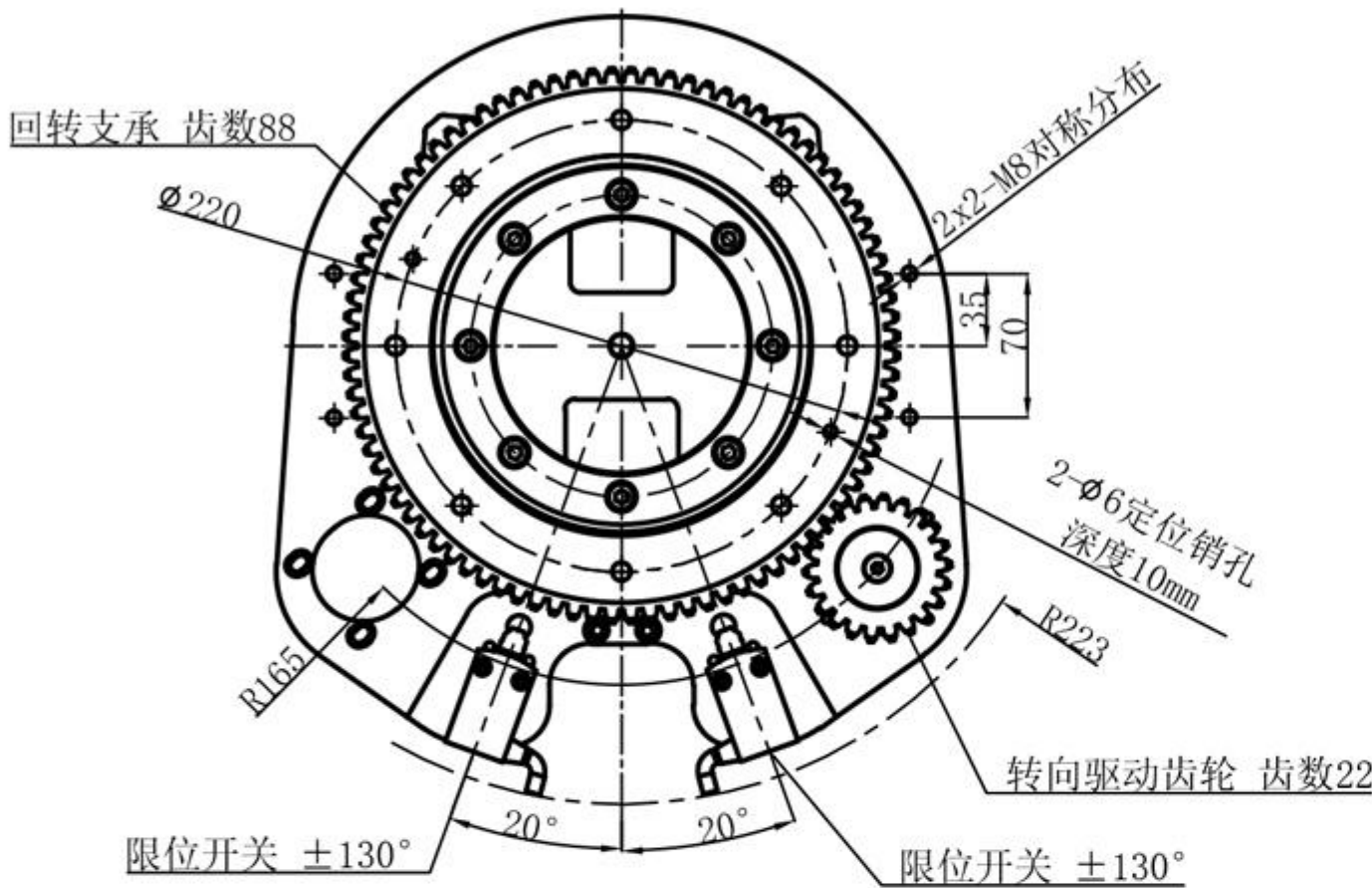
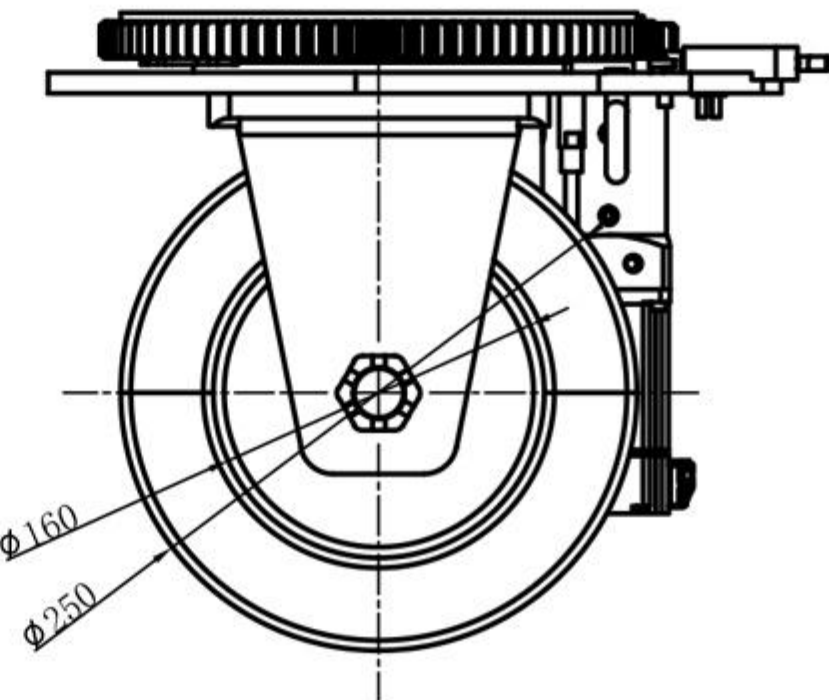
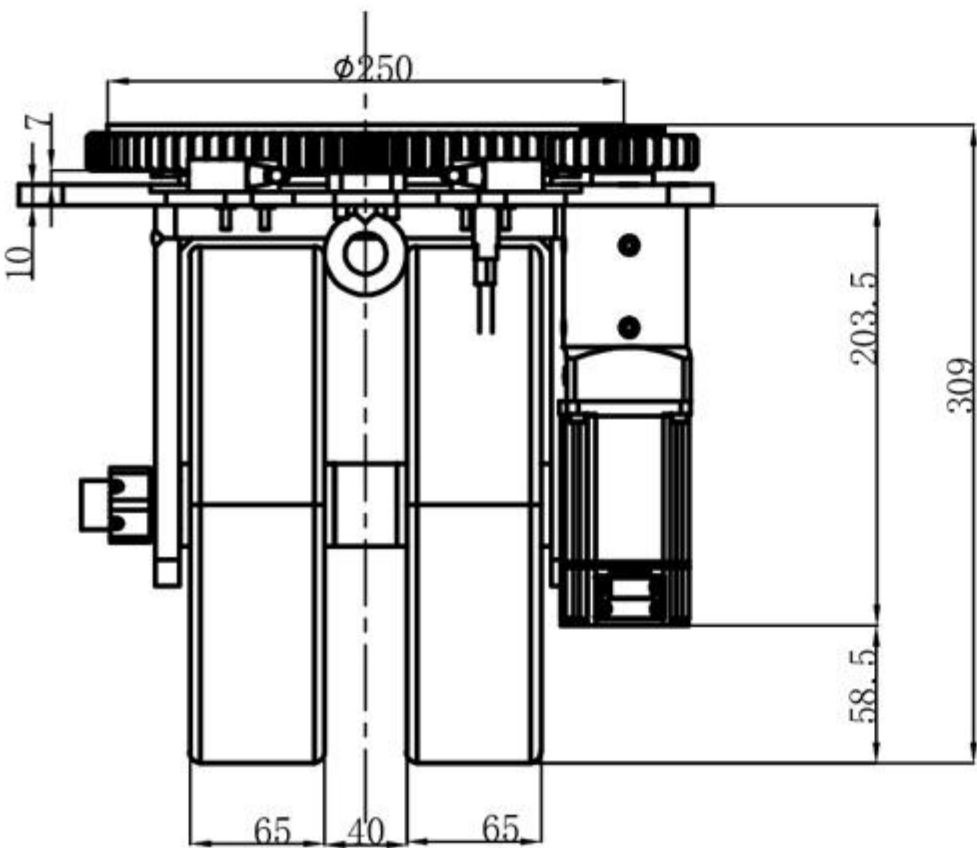
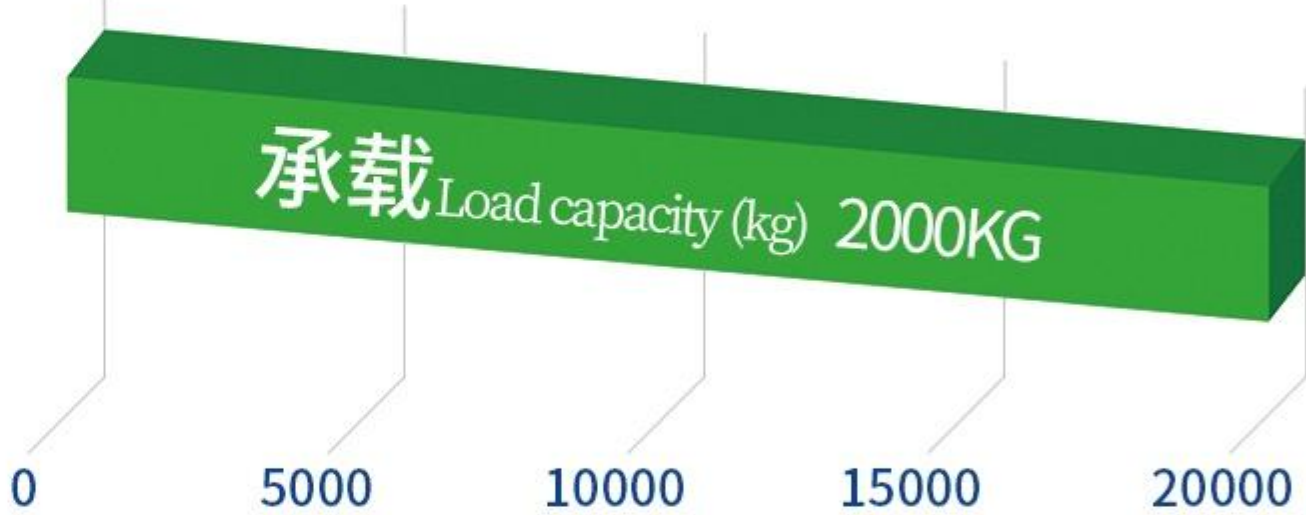
PLT220P122SF 舵轮 (Drive wheel)



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-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)

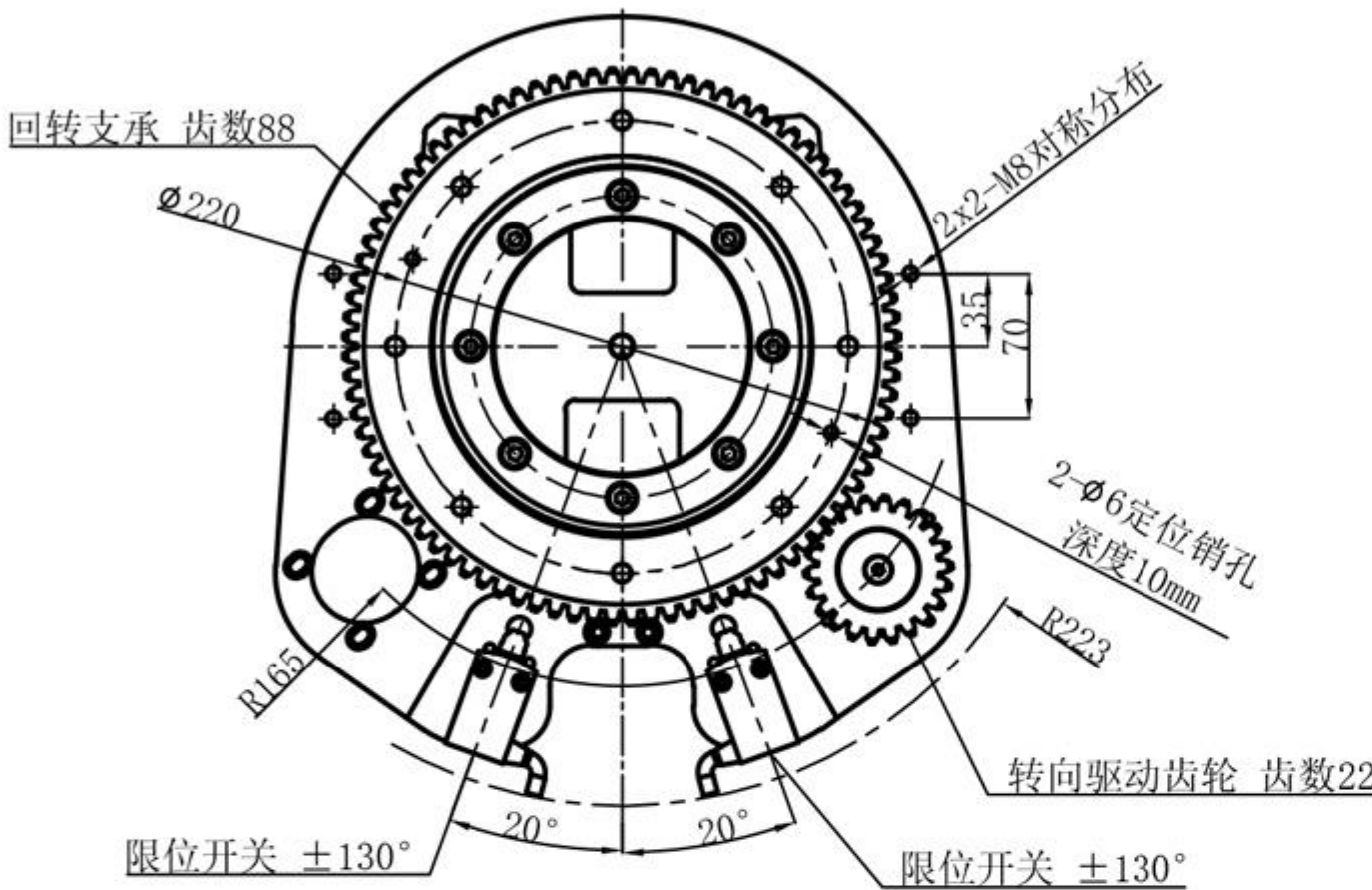
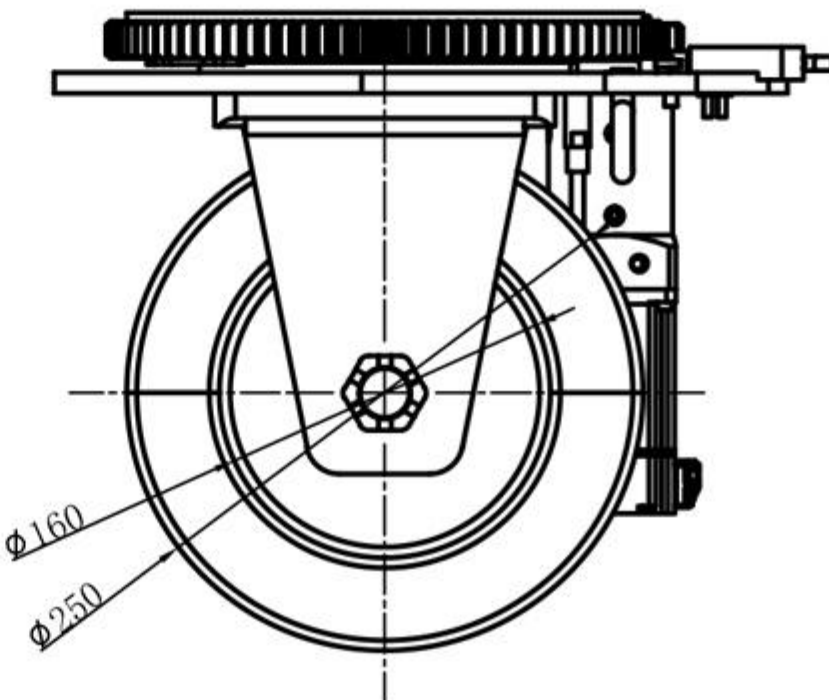
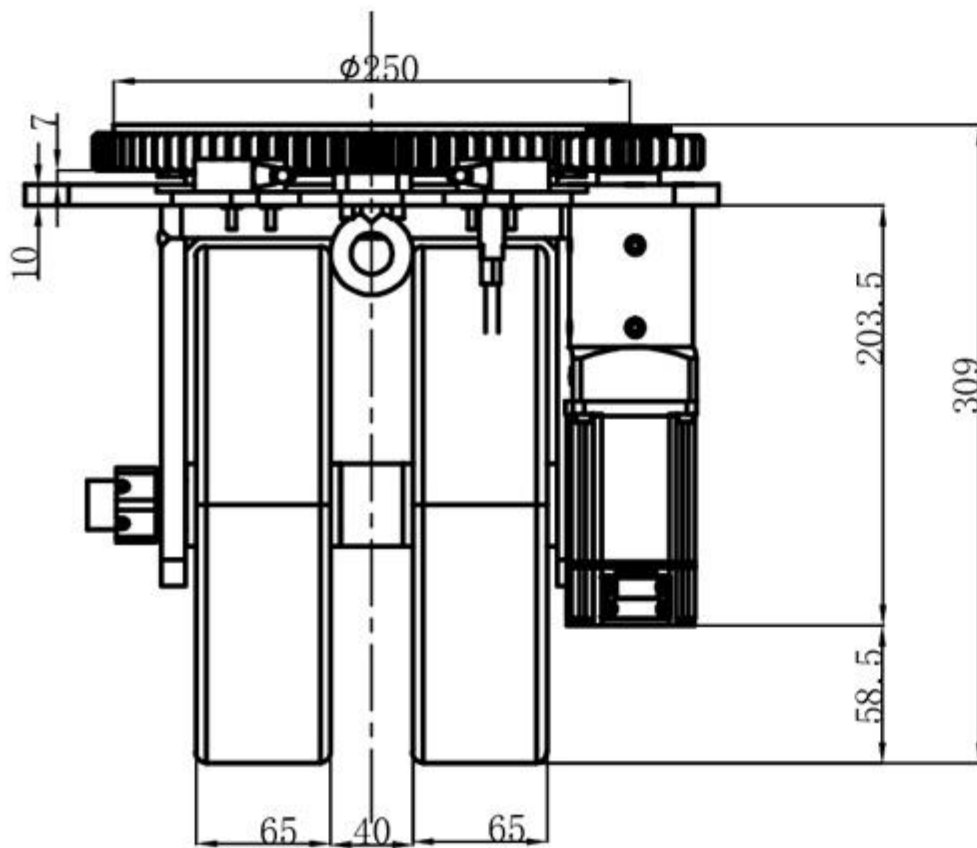
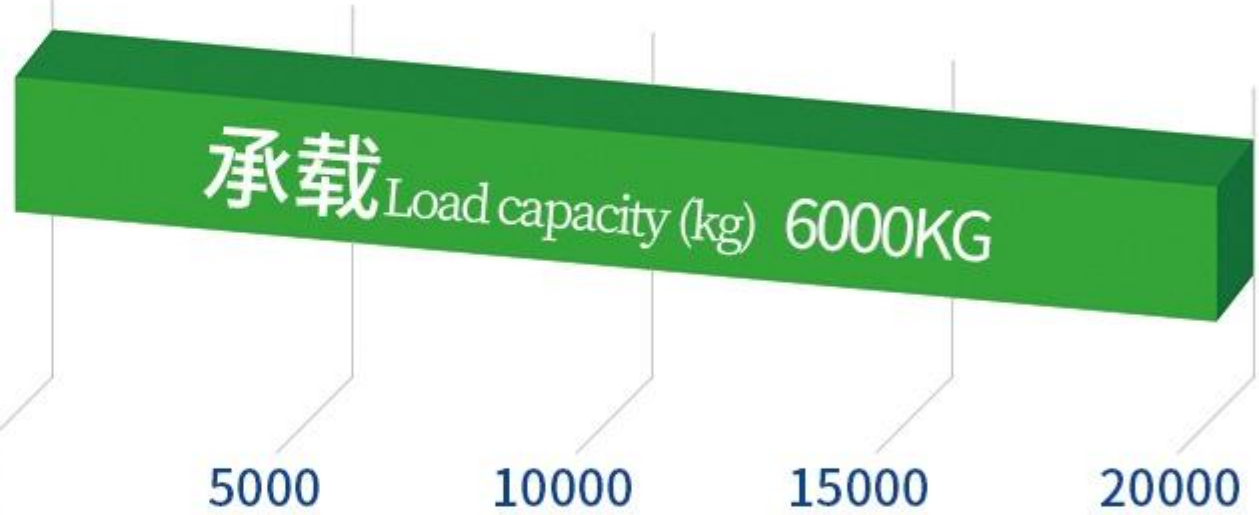
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT-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)

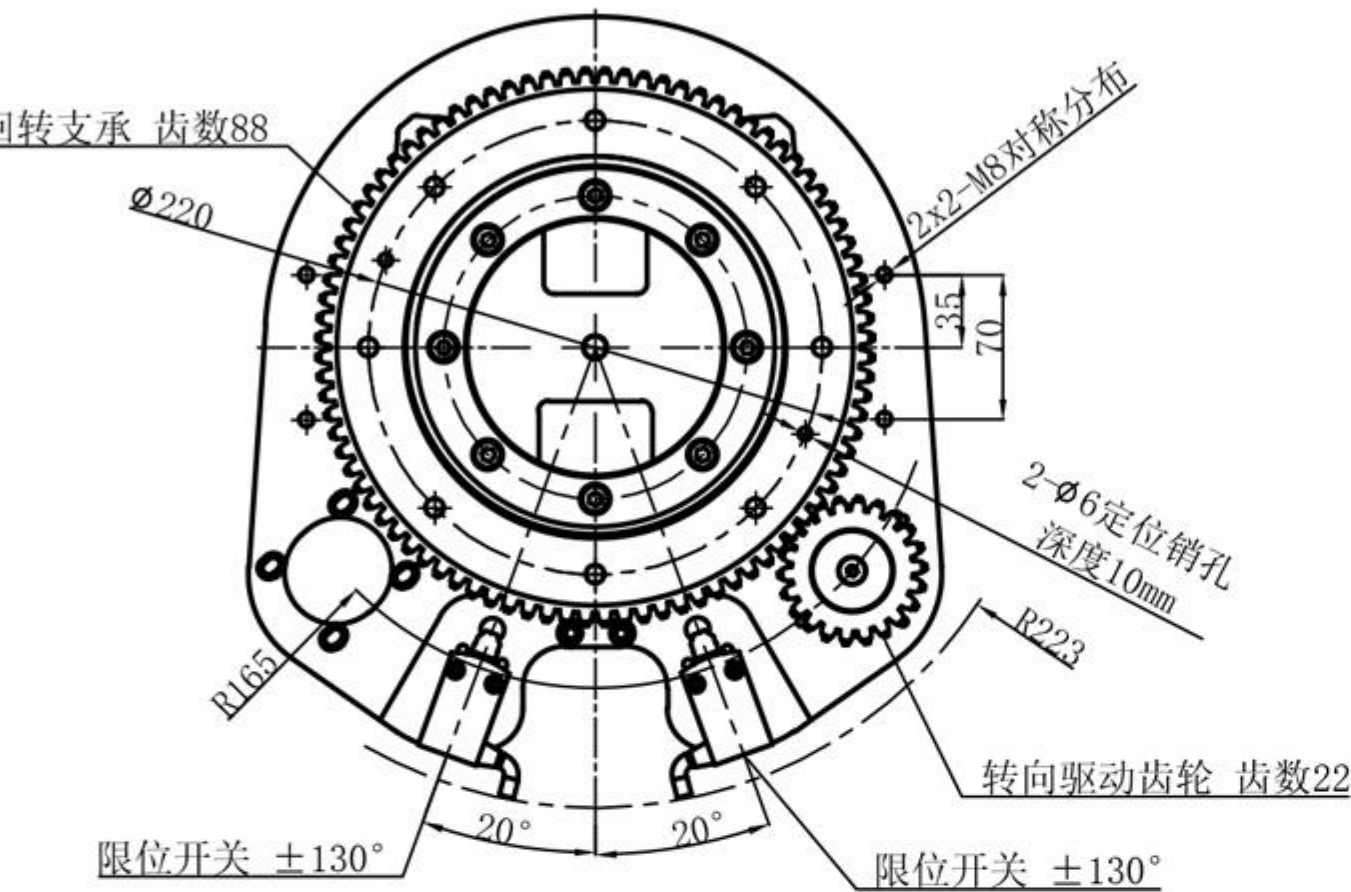
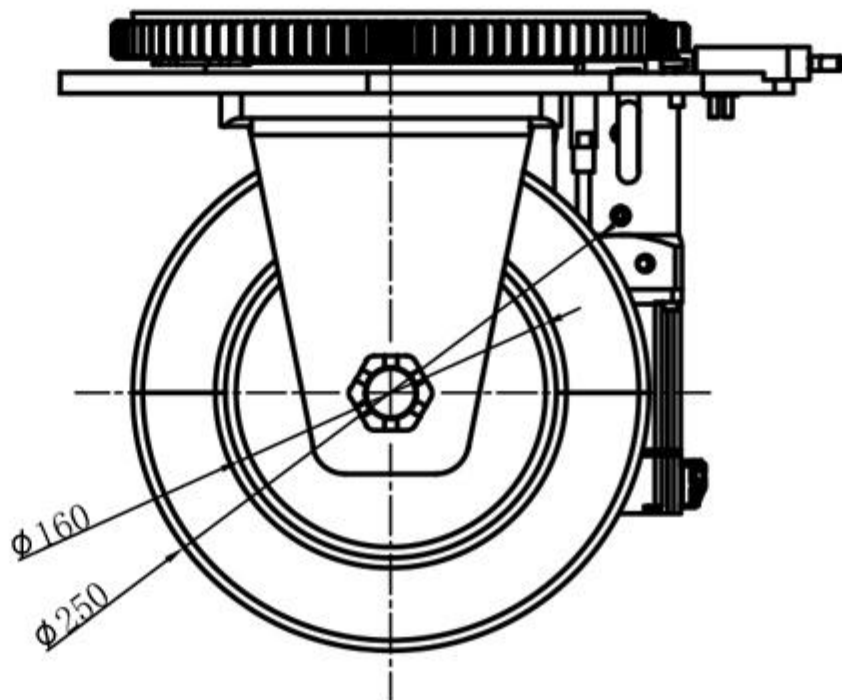
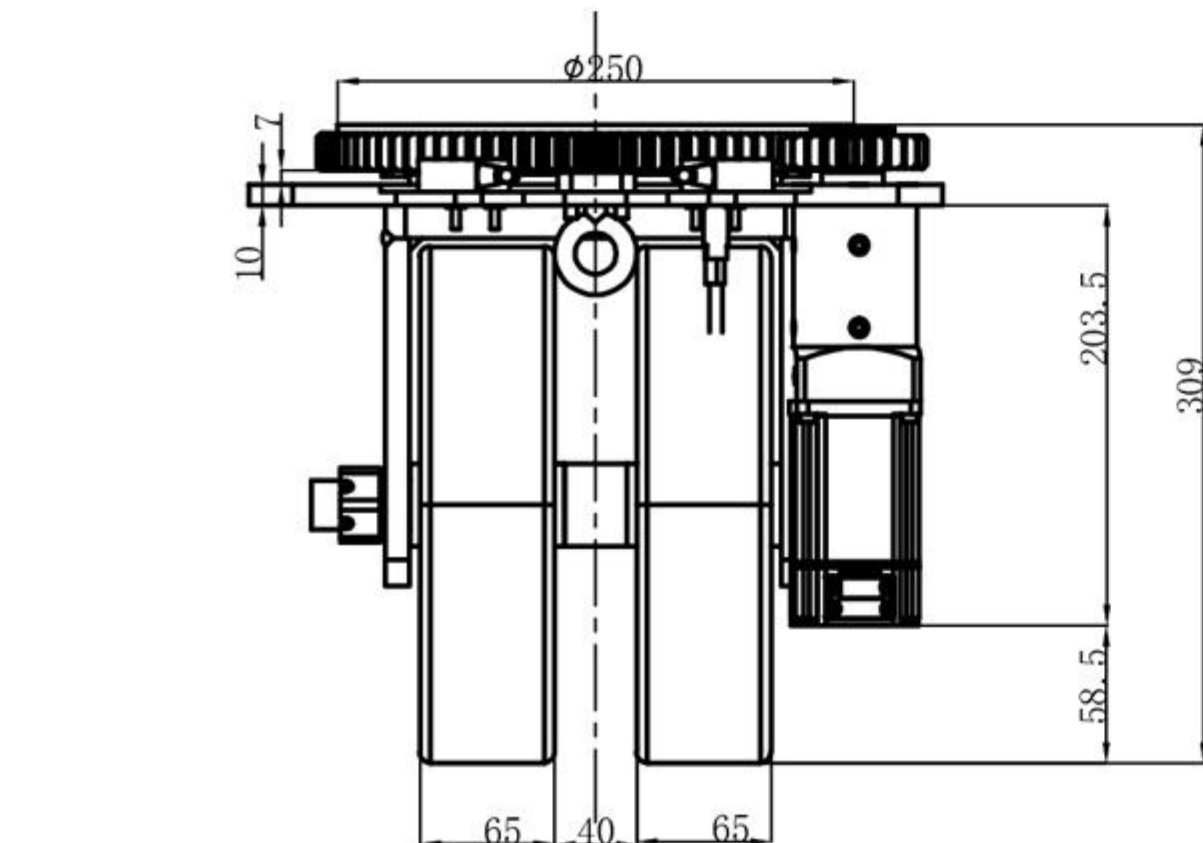
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT250P122SP防爆驱动轮
(Explosion proof drive wheel)



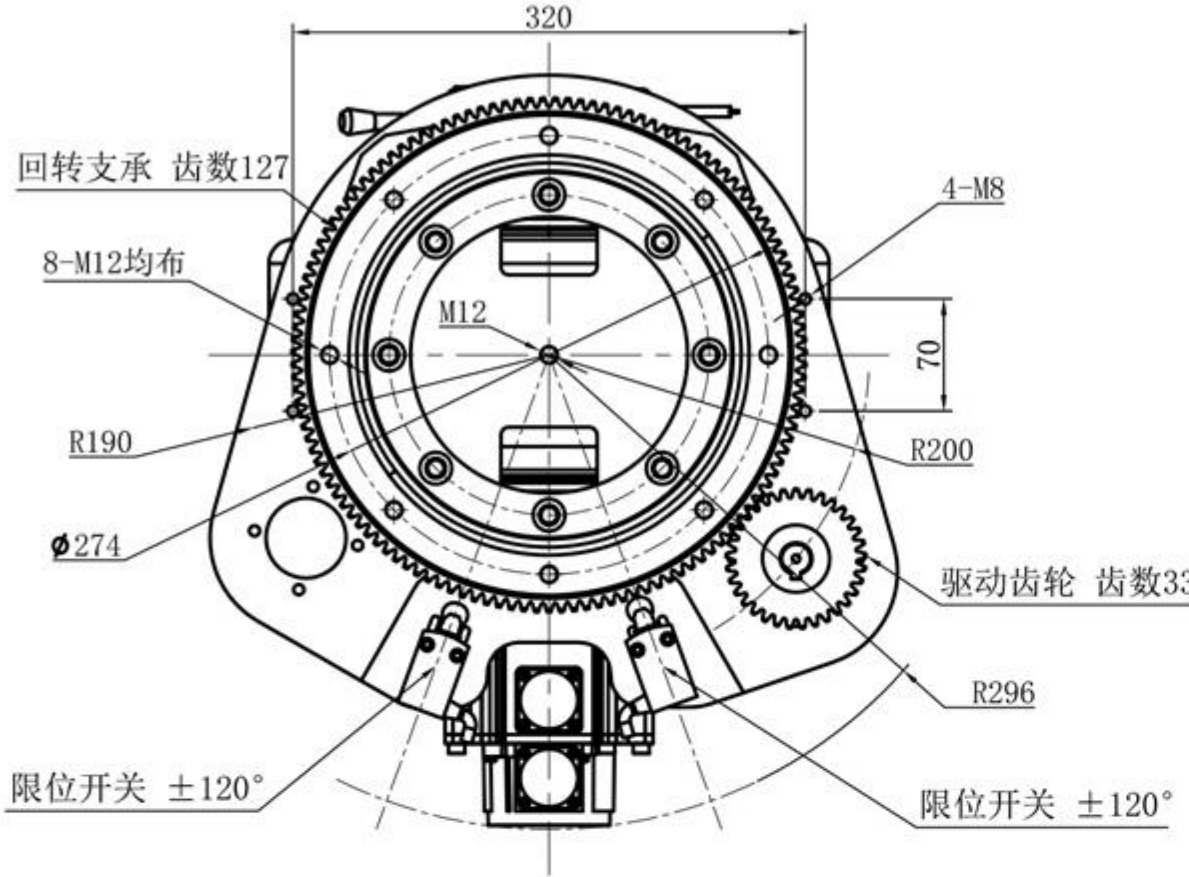
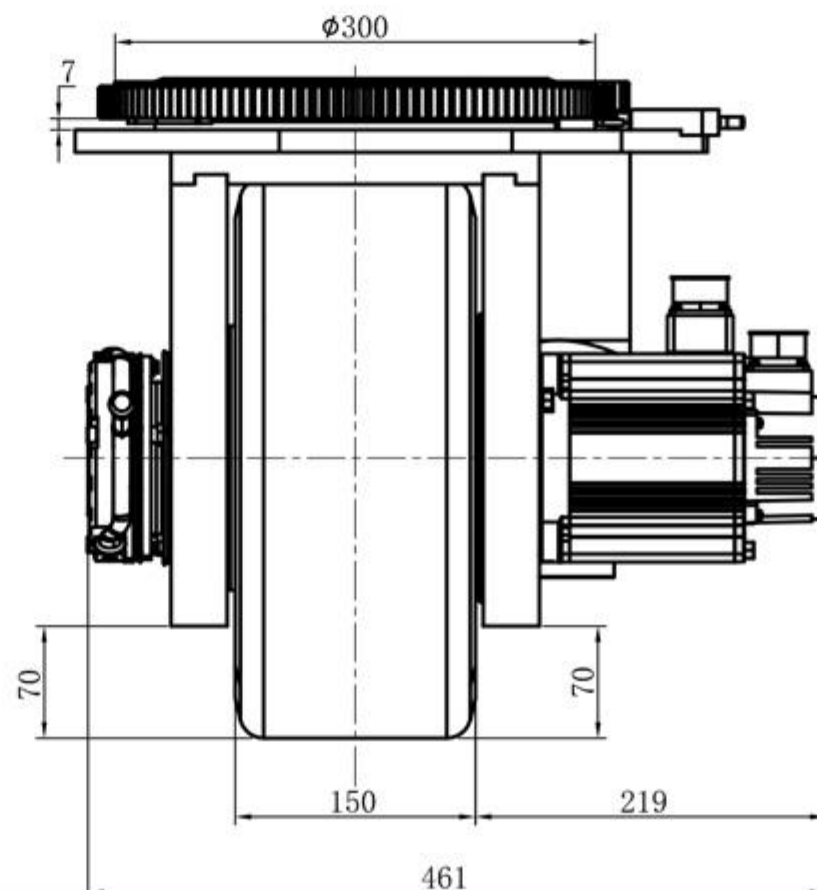
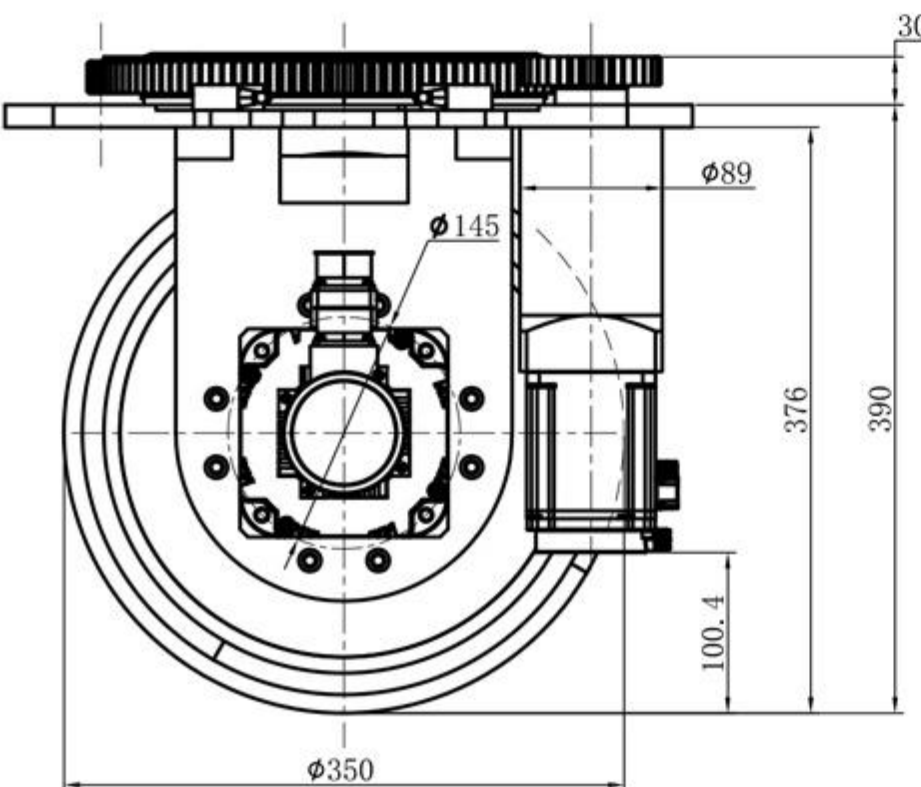
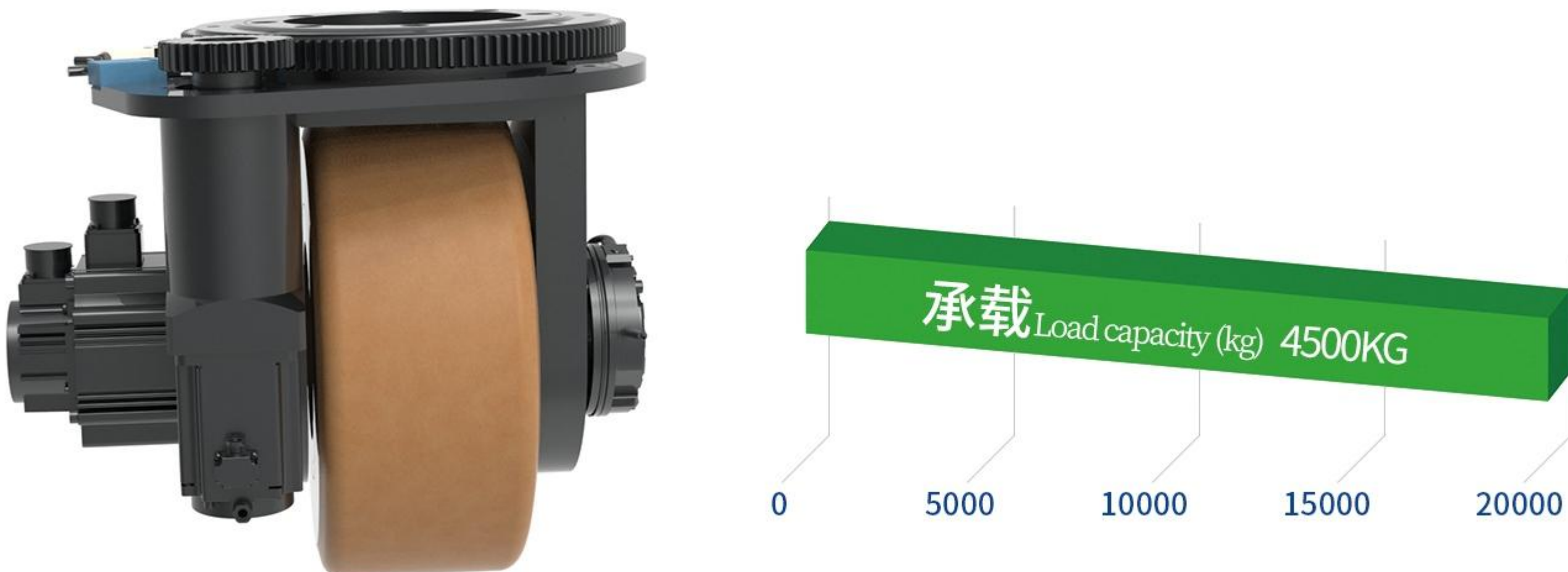
转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1200
电压 Voltage(V)	48
电流Current(A)	29.4
转速Speed(rpm)	3000
减速比Ratio(i)	40
承载Load capacity(kg)	1200
IP等级IP grade	65

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)



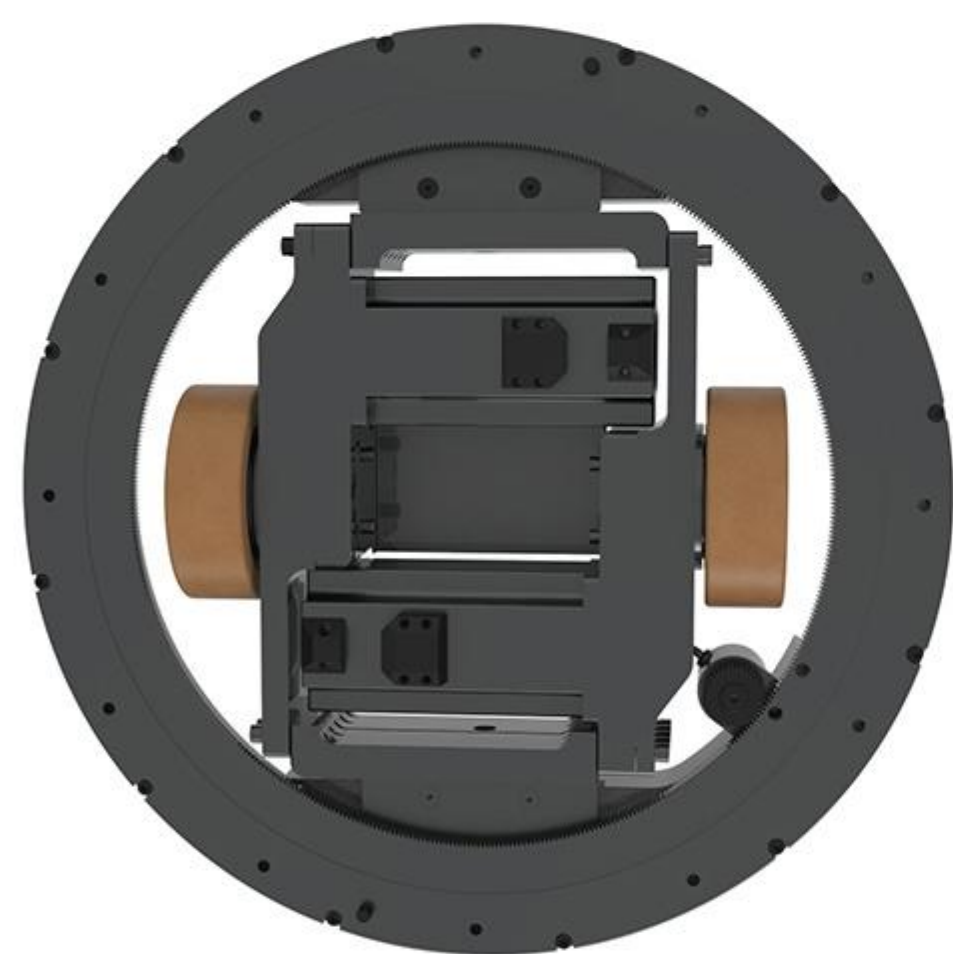
转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	220
电流Current(A)	5.4
转速Speed(rpm)	3000
减速比Ratio(i)	64
承载Load capacity(kg)	4500
IP等级IP grade	65

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

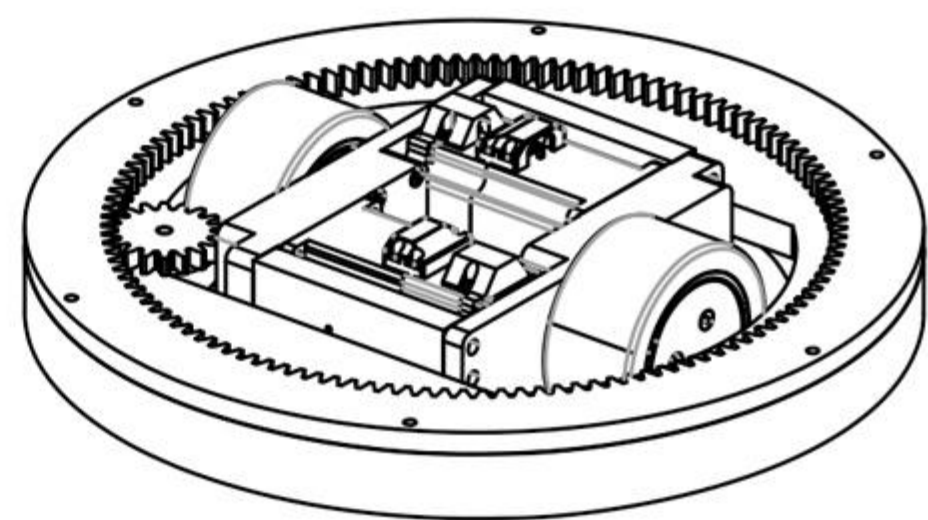
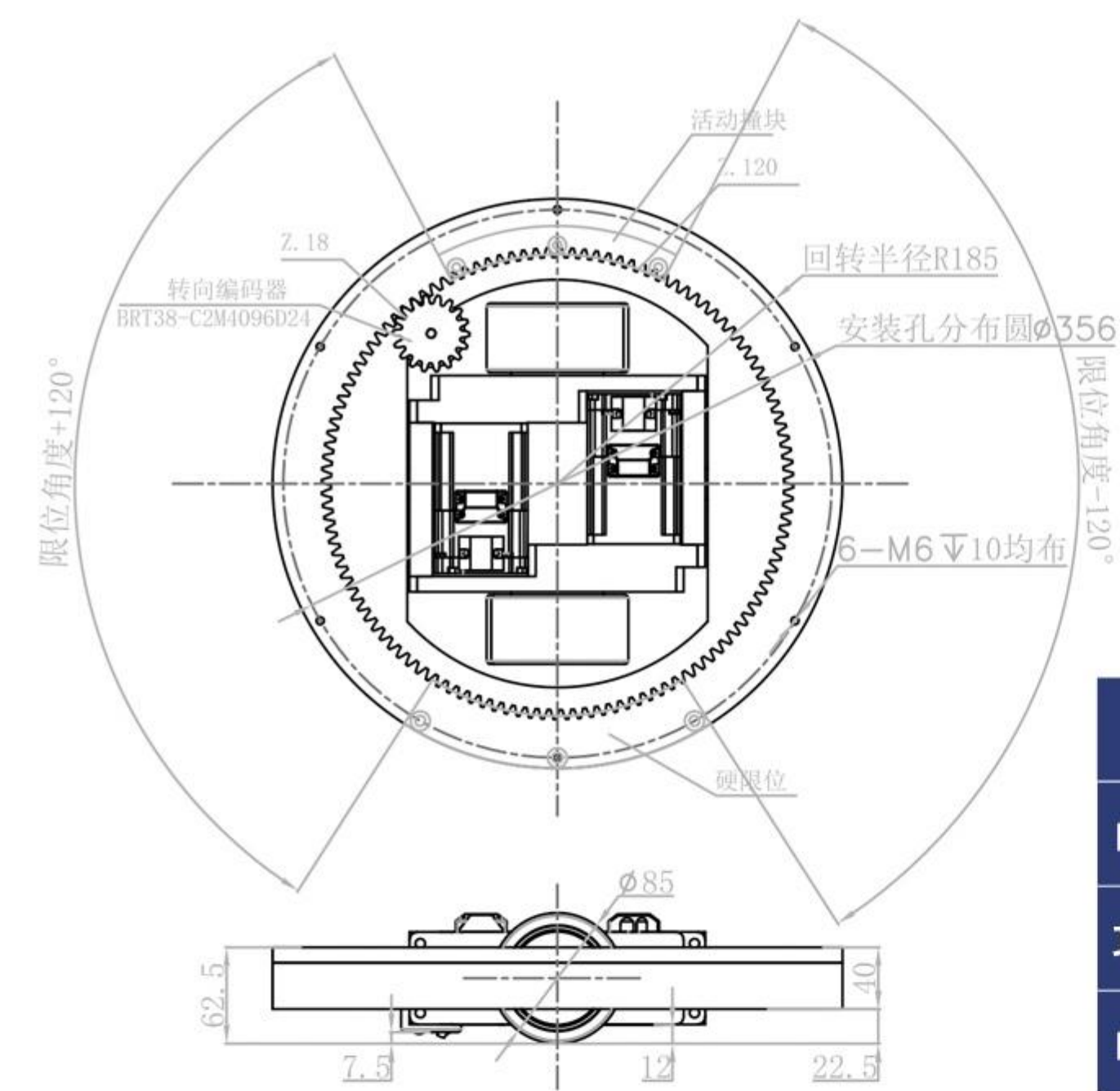


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PLT-85-DD差速轮组底盘
(Dual differential drive wheel chassis)

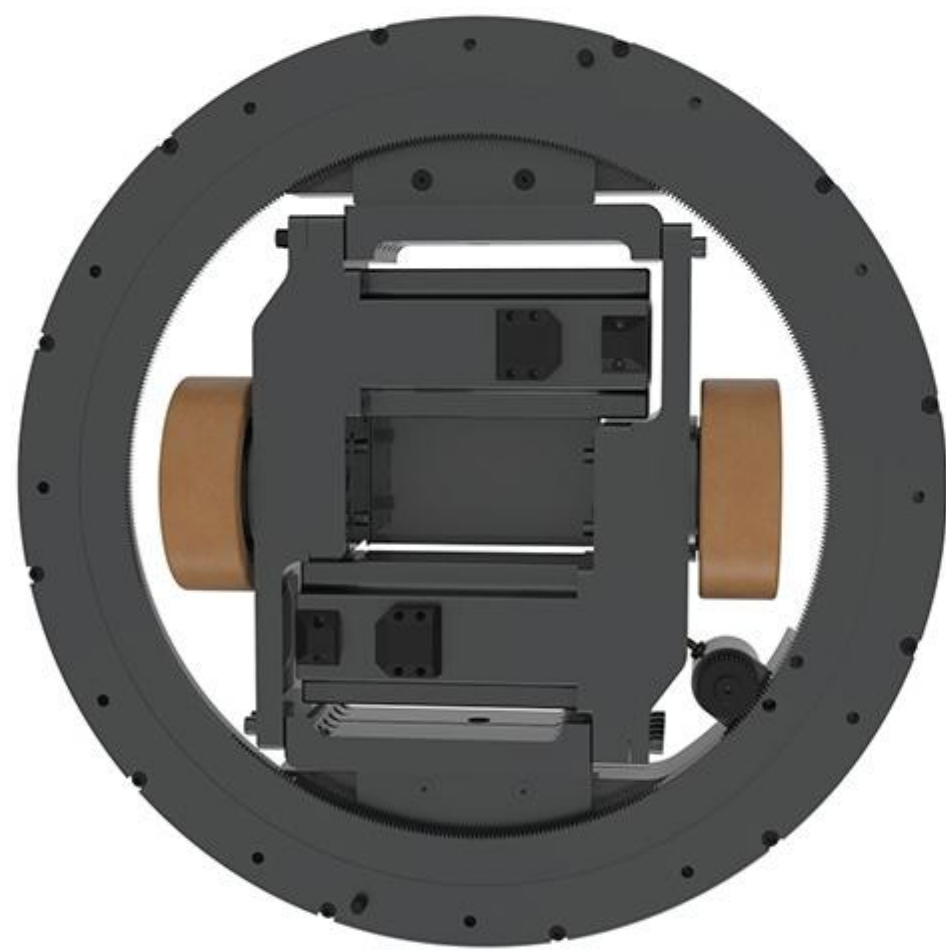


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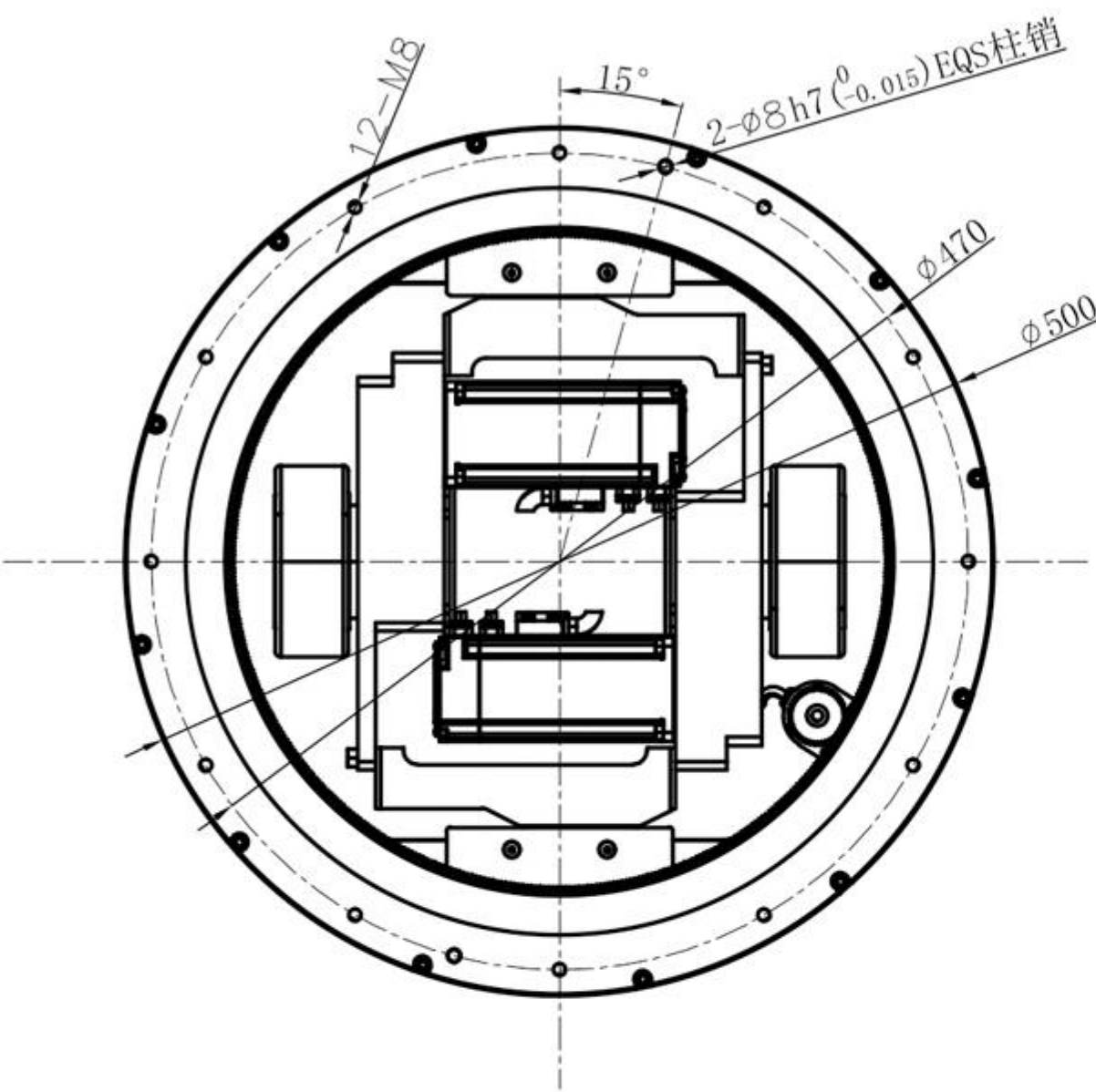
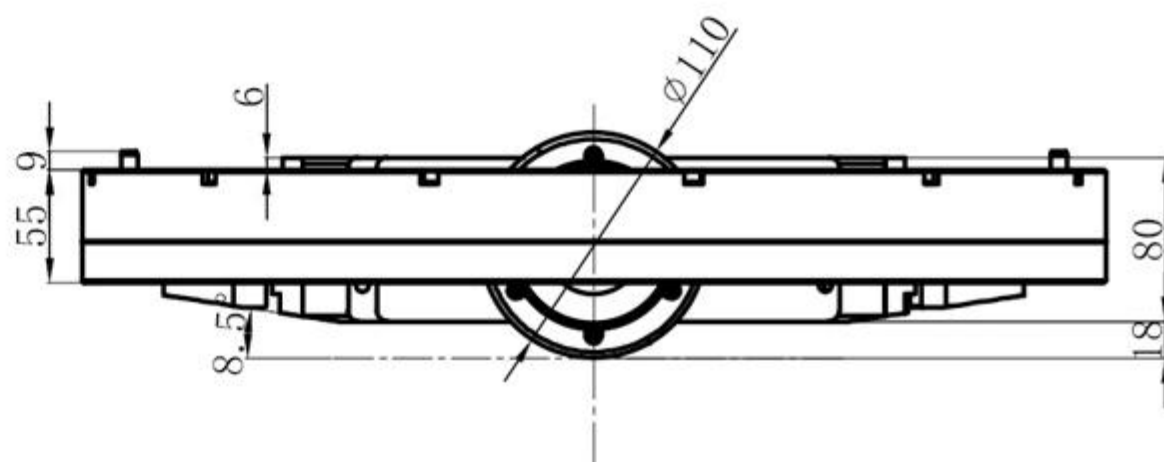
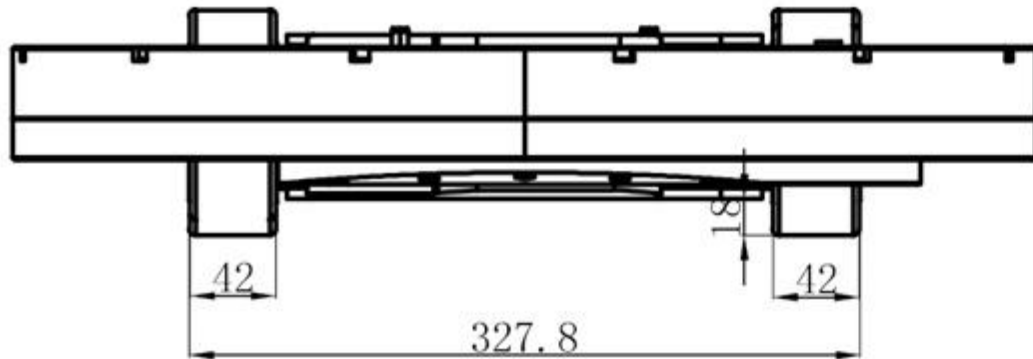


行走部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流Current(A)	11.5
转速Speed(rpm)	3000
减速比Ratio(i)	8.49
IP等级IP grade	54

PLT-110-DD差速轮组底盘
(Dual differential drive wheel chassis)

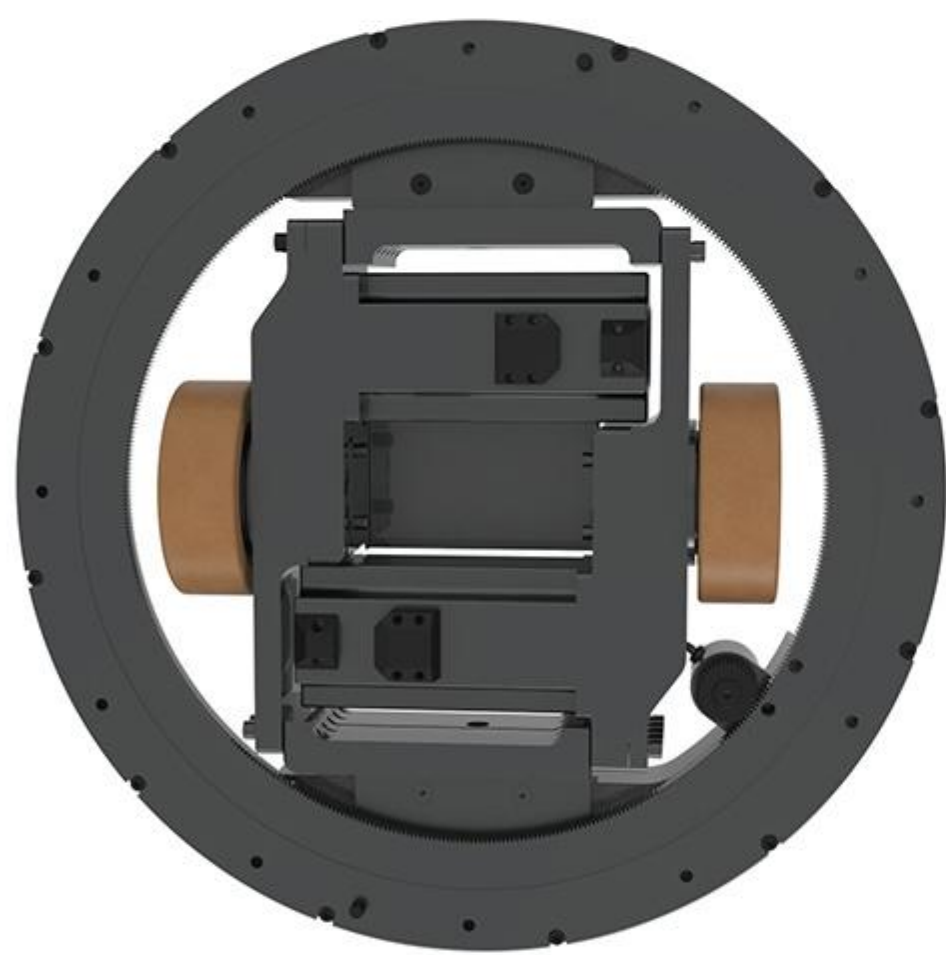


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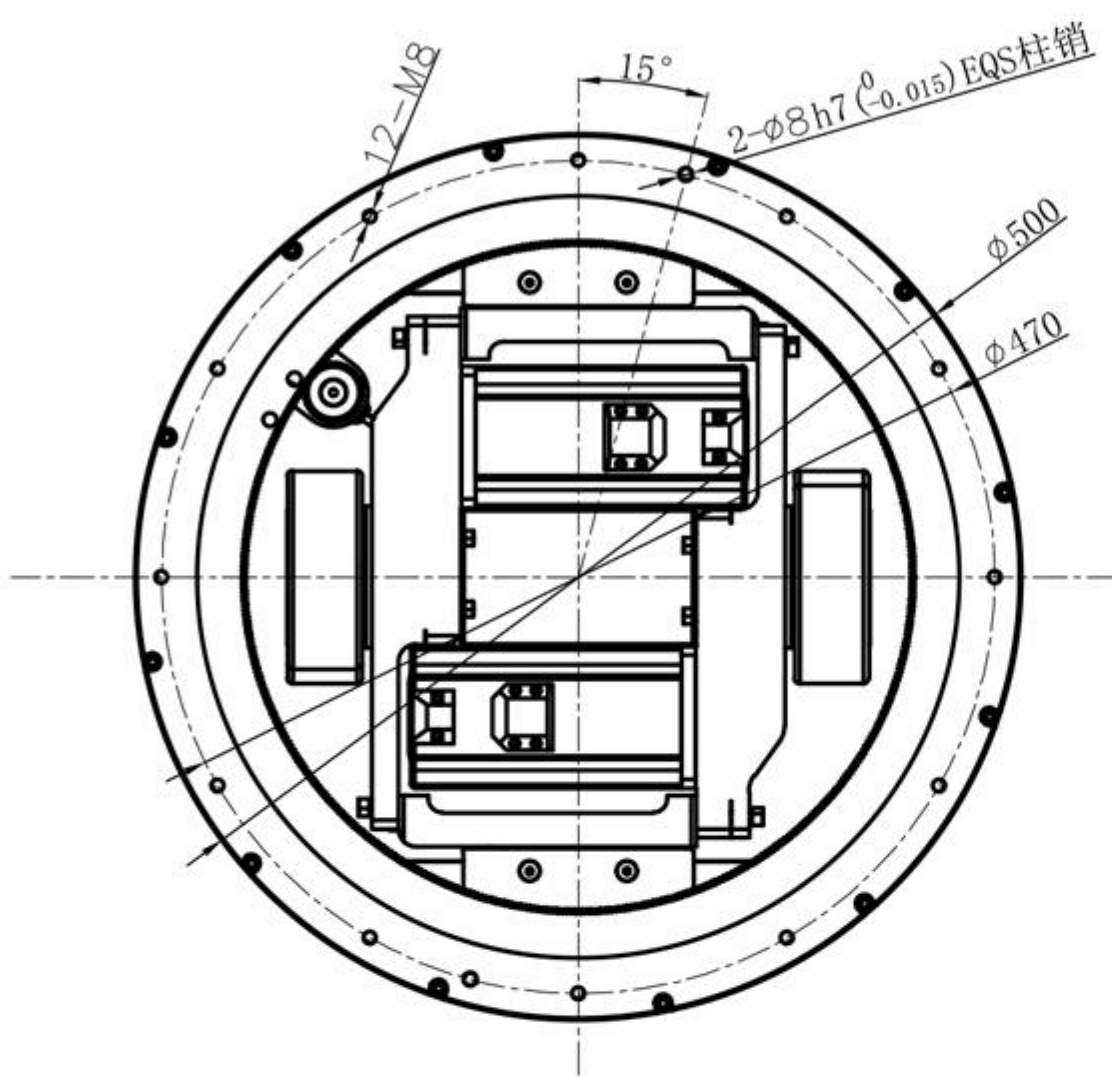
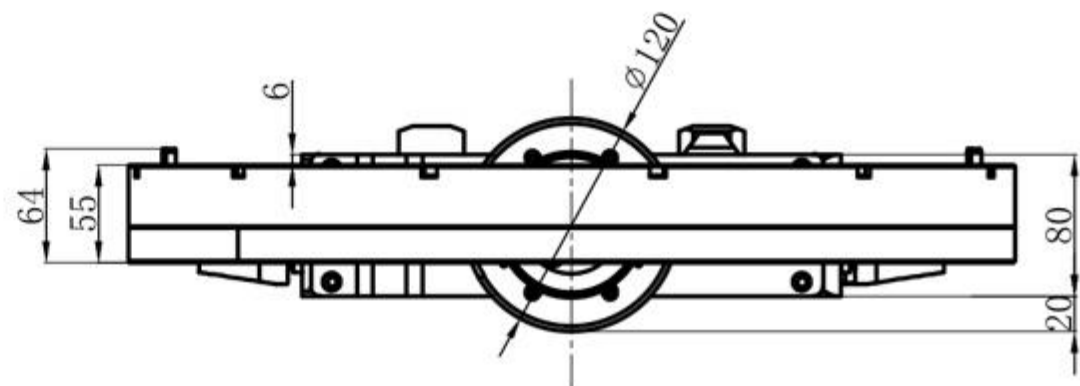
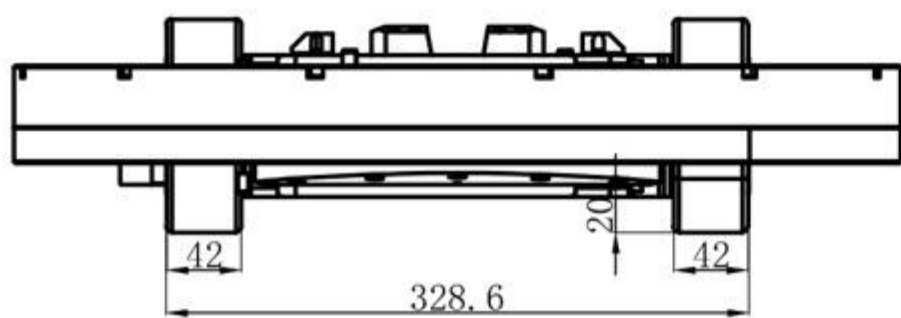


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	600
电压 Voltage(V)	48
电流Current(A)	16.5
转速Speed(rpm)	3000
减速比Ratio(i)	27
IP等级IP grade	65

PLT-120-DD差速轮组底盘
(Dual differential drive wheel chassis)

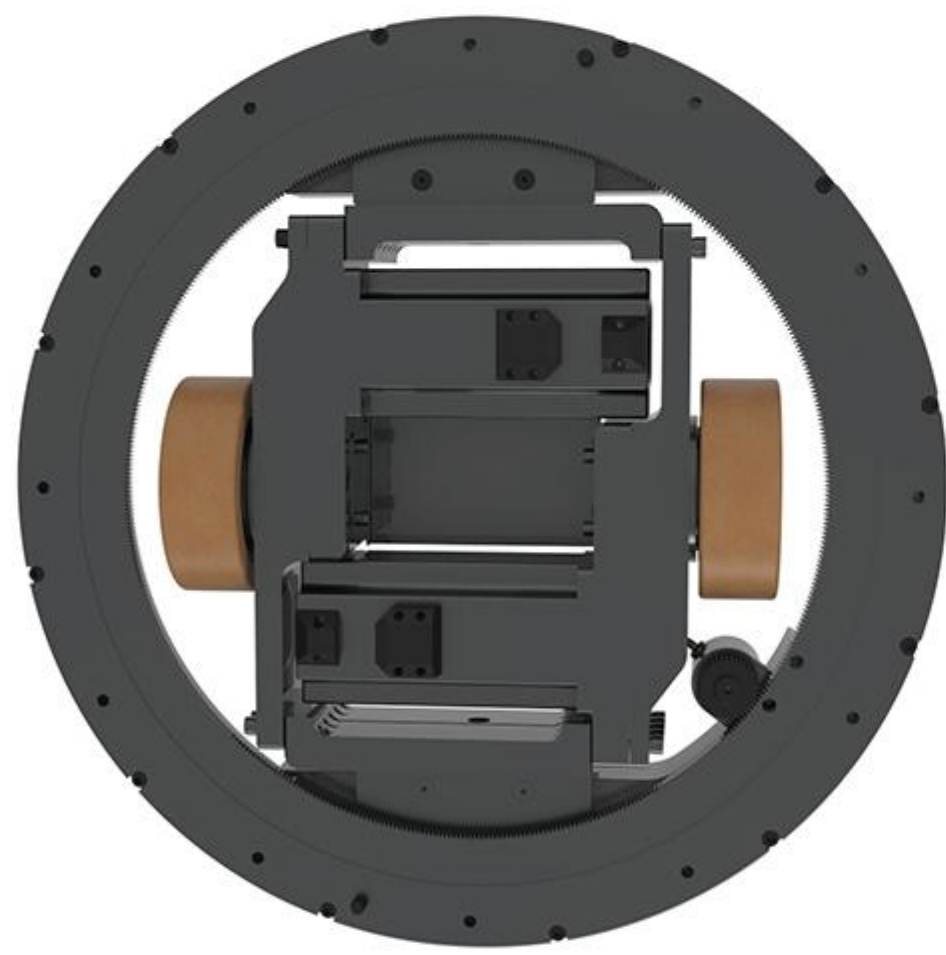


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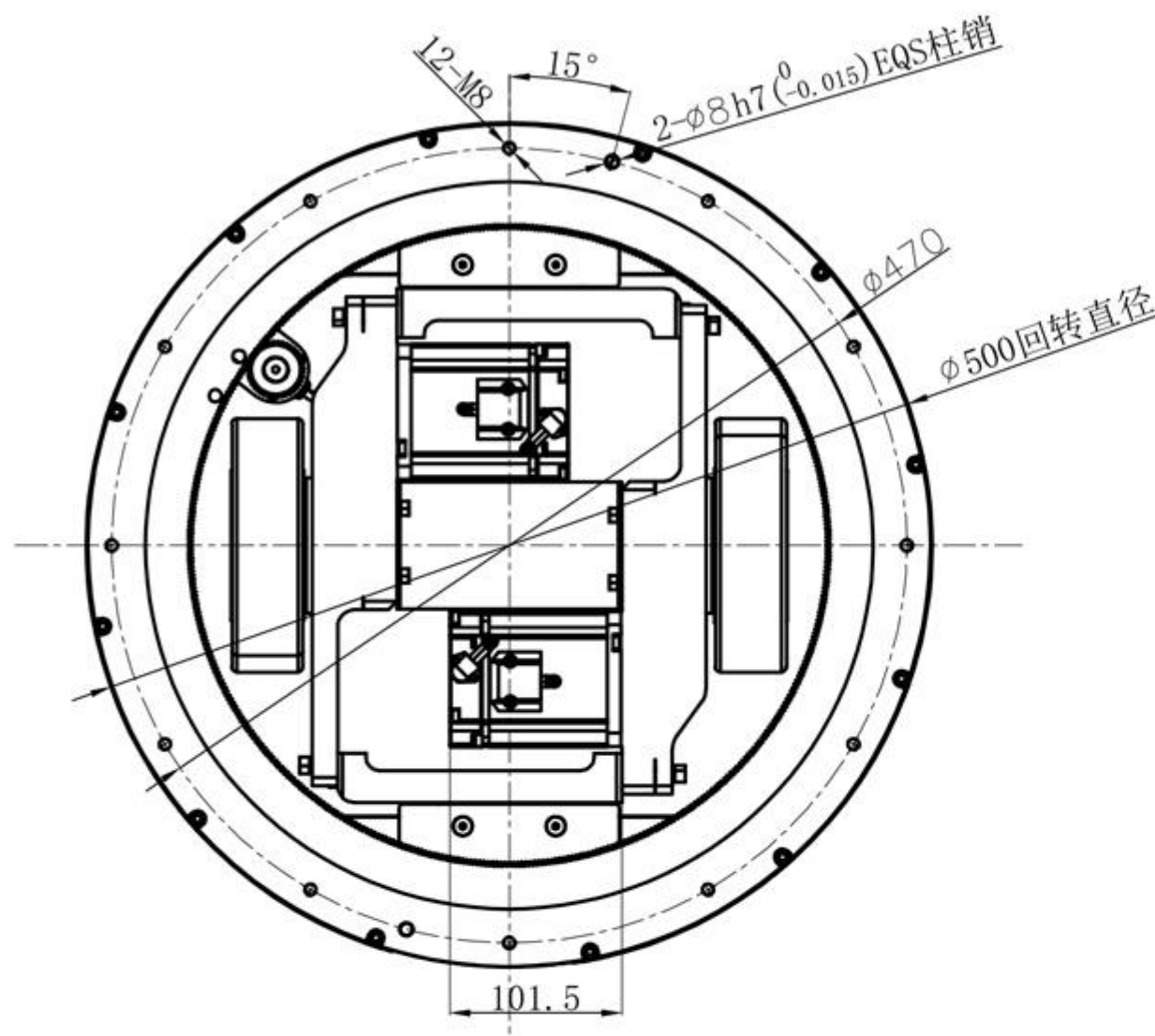
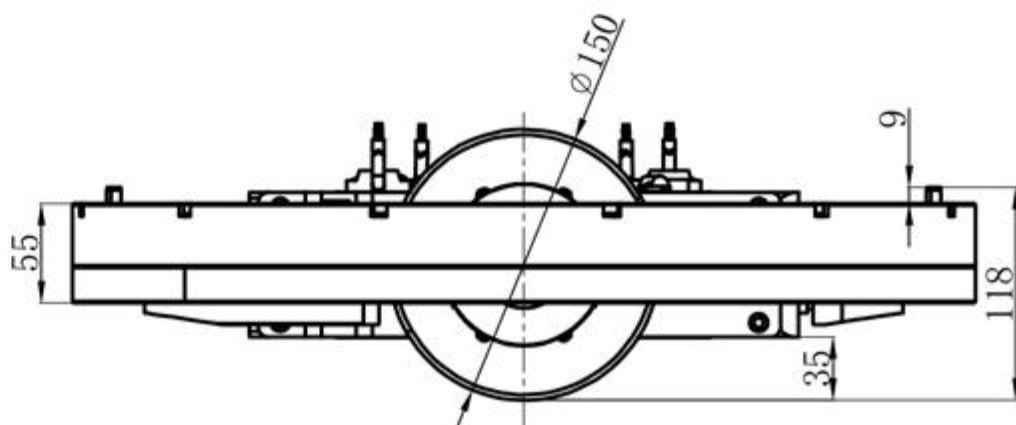
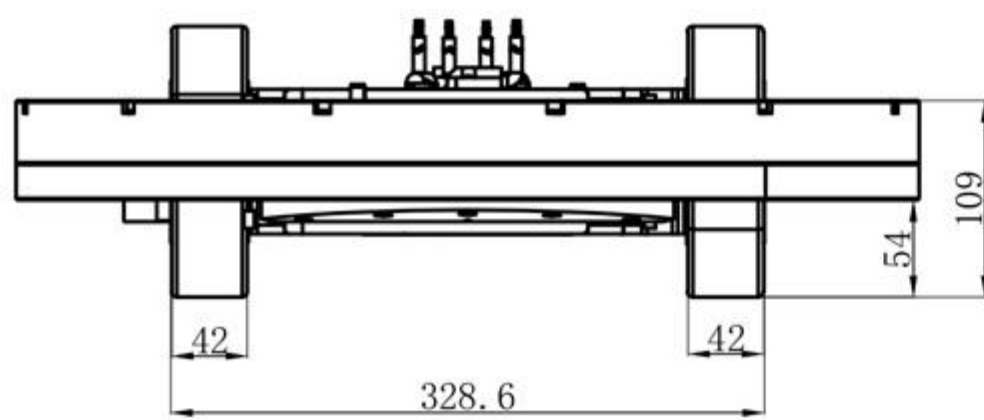


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	25
转速 Speed(rpm)	3000
减速比 Ratio(i)	27
IP等级 IP grade	54

PLT-150-DD差速轮组底盘
(Dual differential drive wheel chassis)

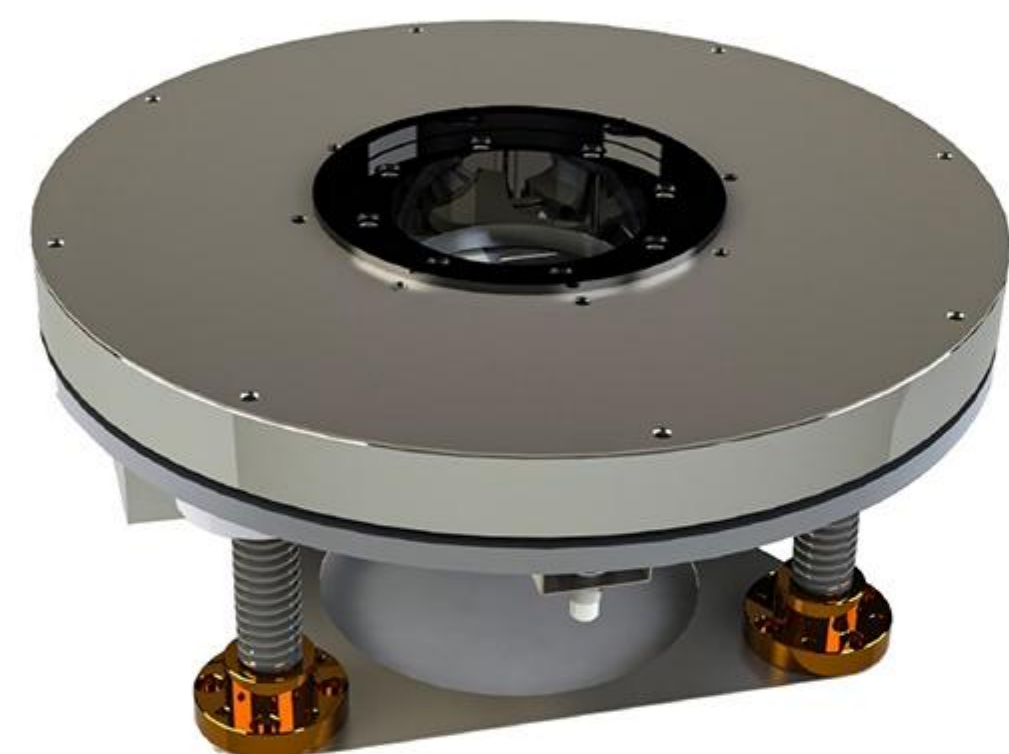


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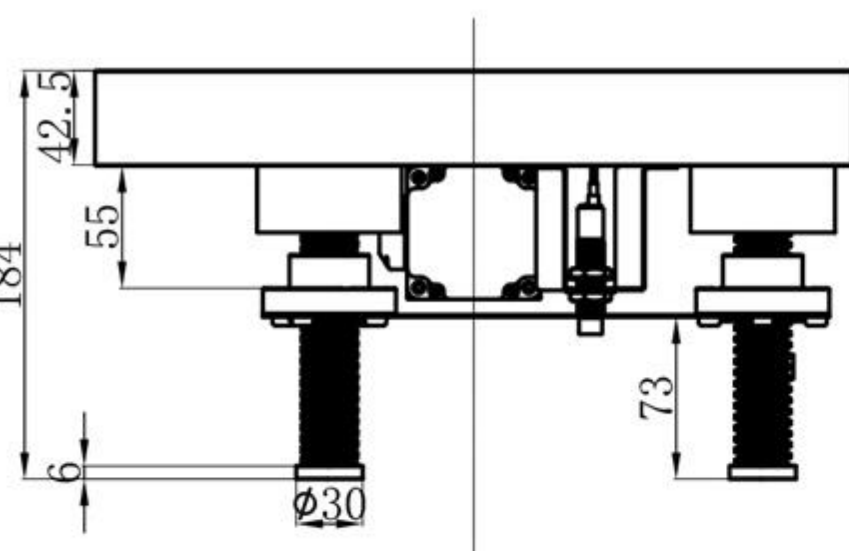
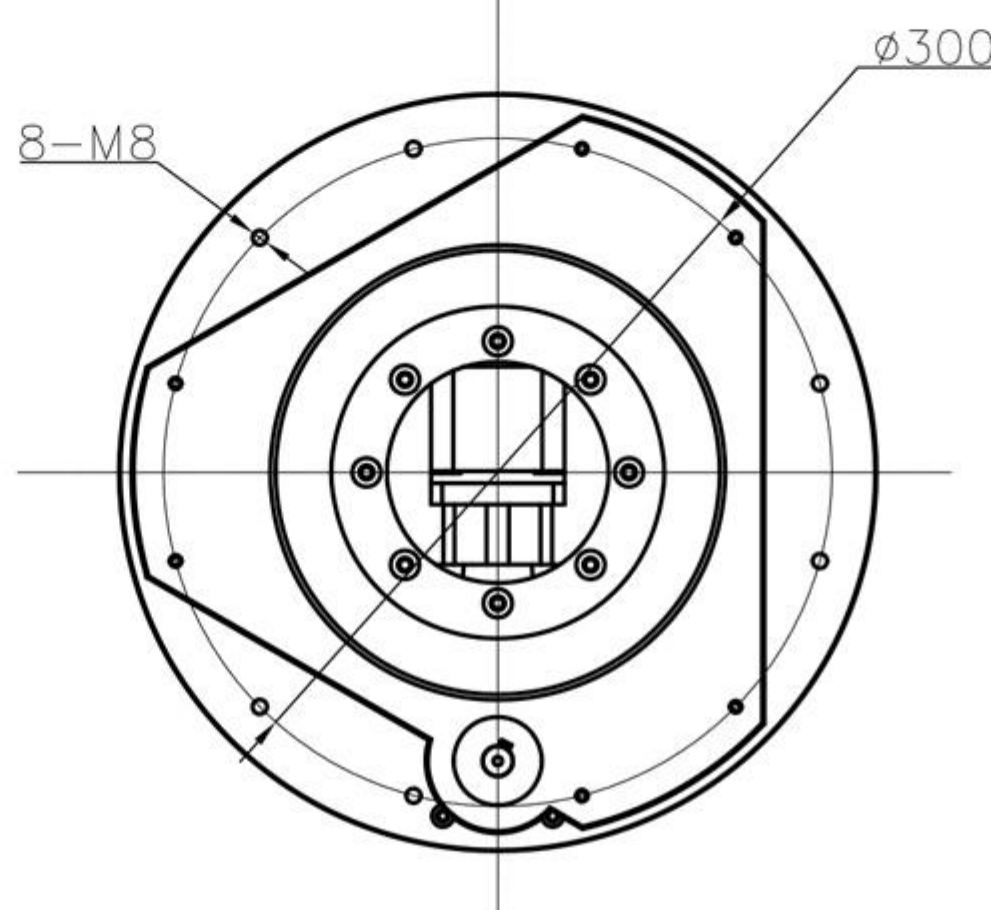
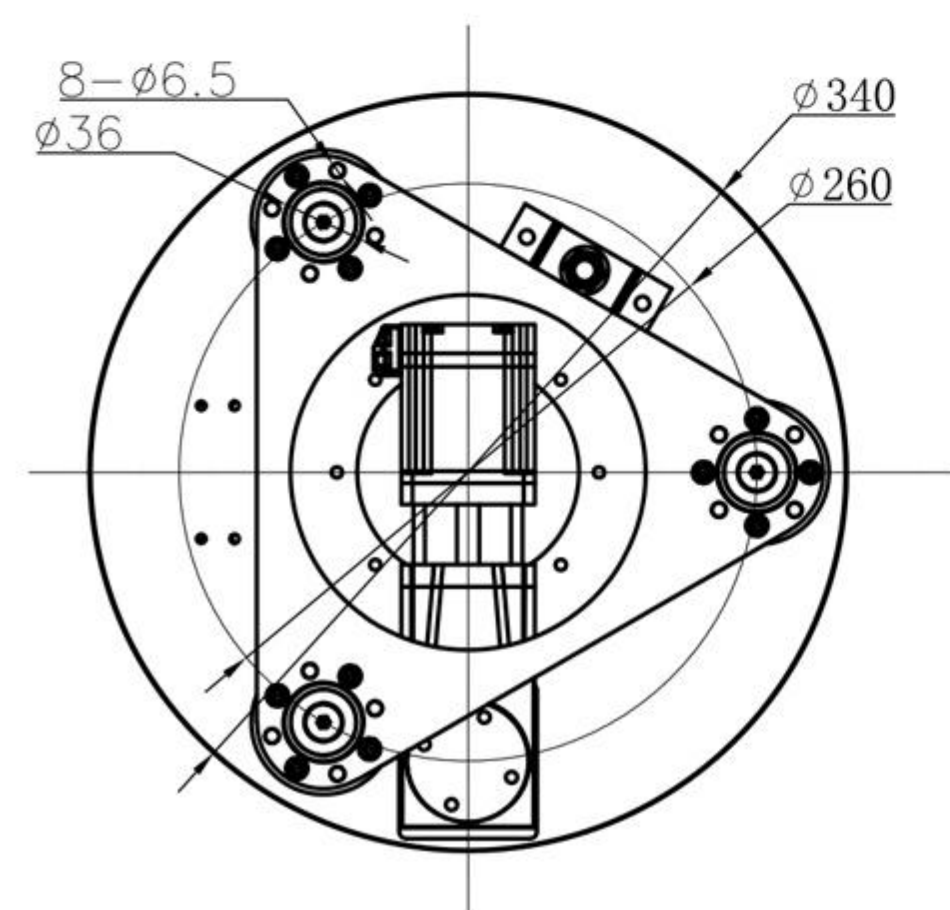


转向部分参数 Steering parameters	
电机类型Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	220
电流 Current(A)	5.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	64
IP等级 IP grade	65

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

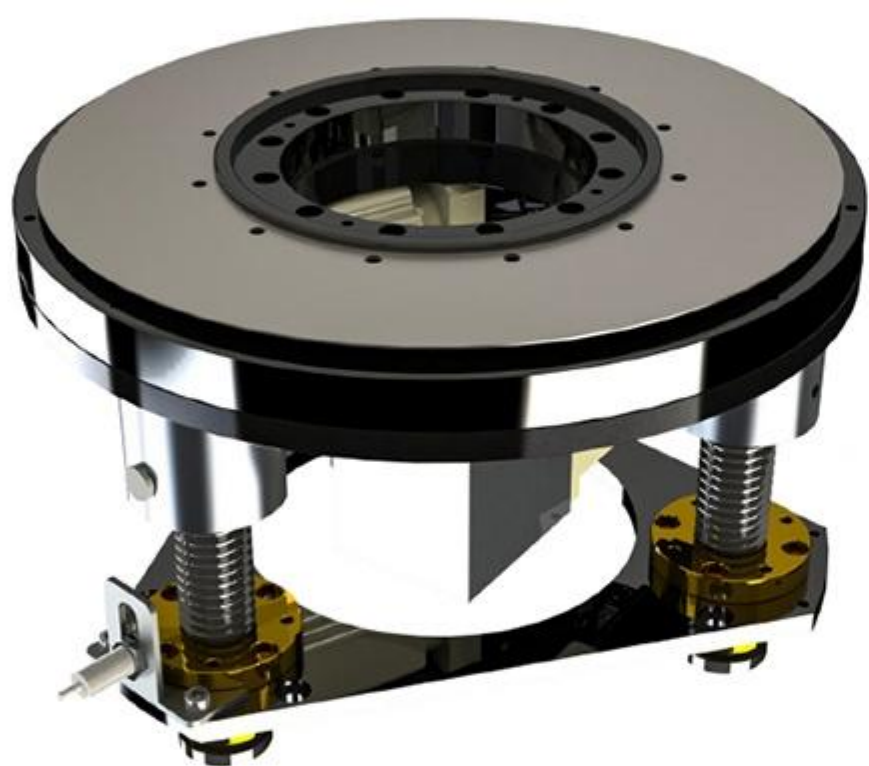
顶升行程 Lifting length

载重重量 Installation height

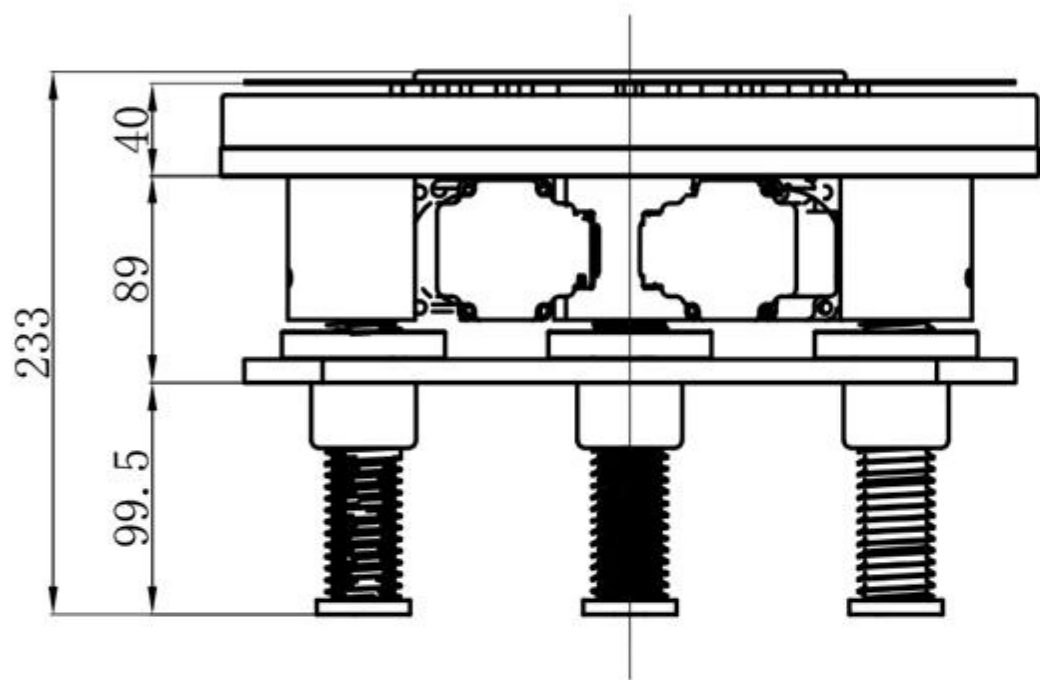
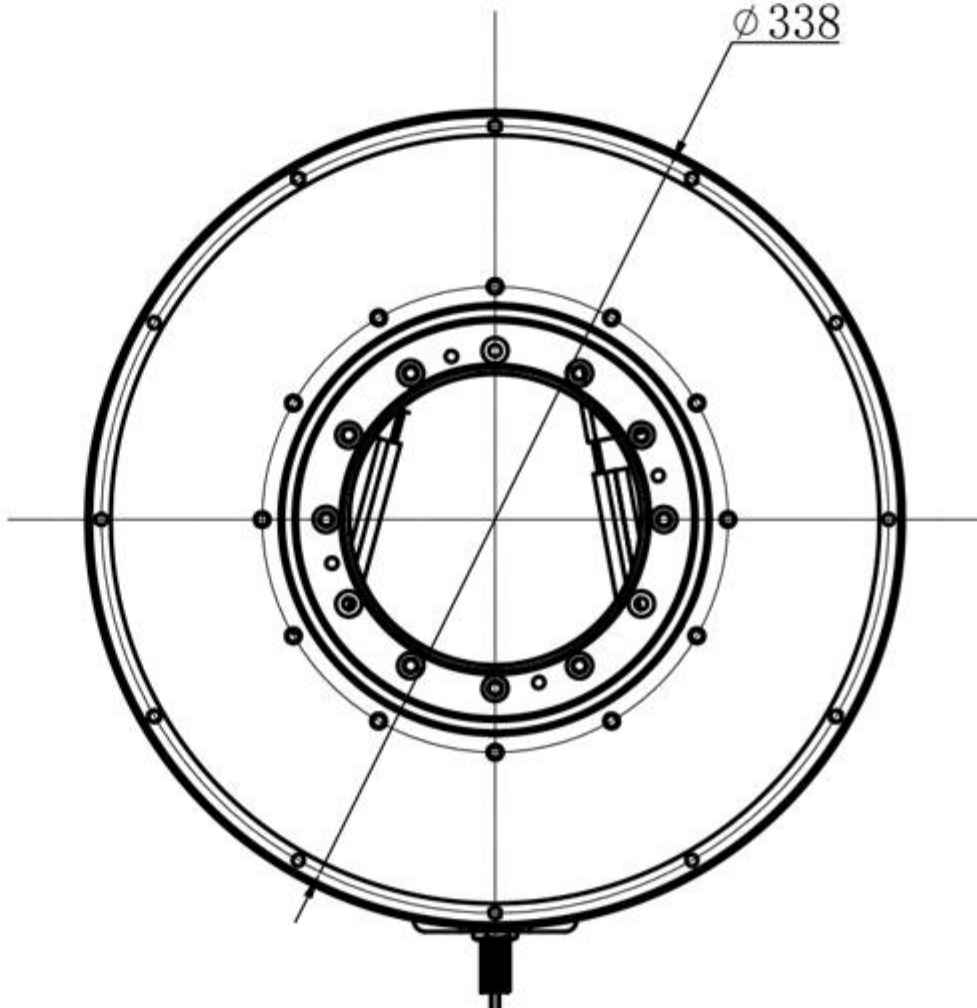
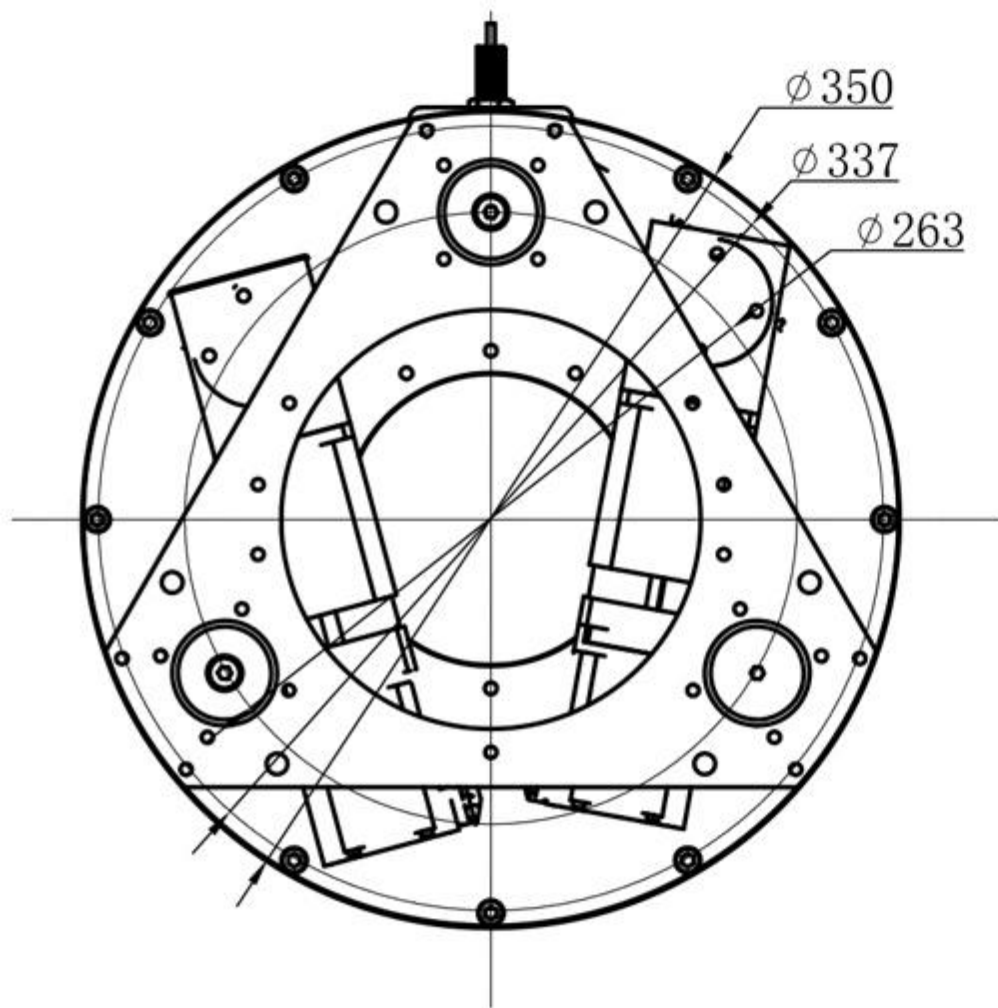
顶升总成 Lifting system

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)

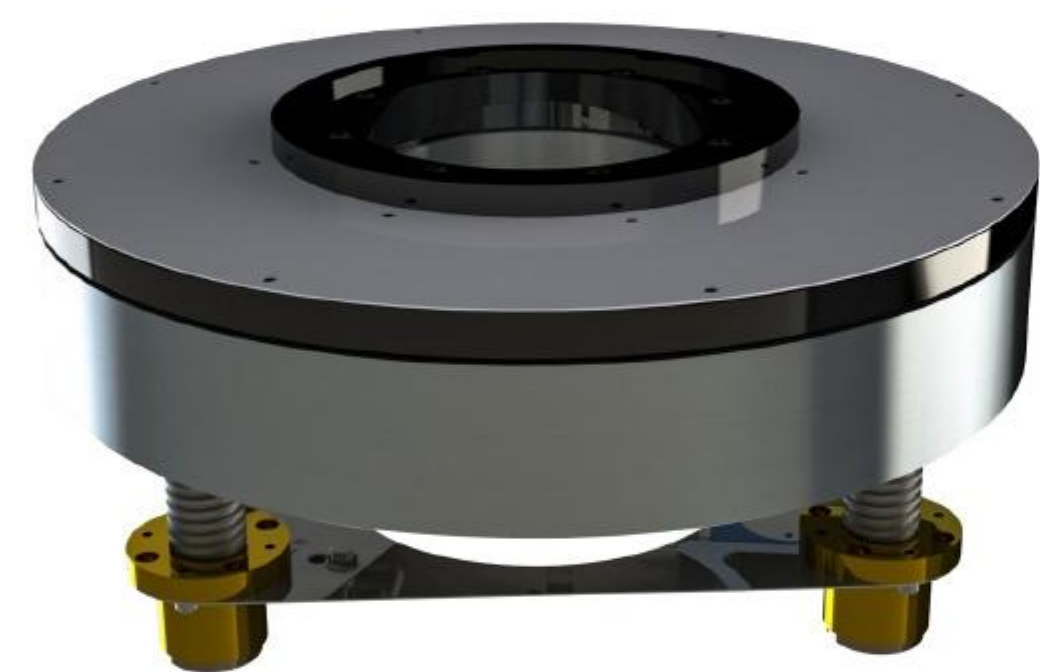


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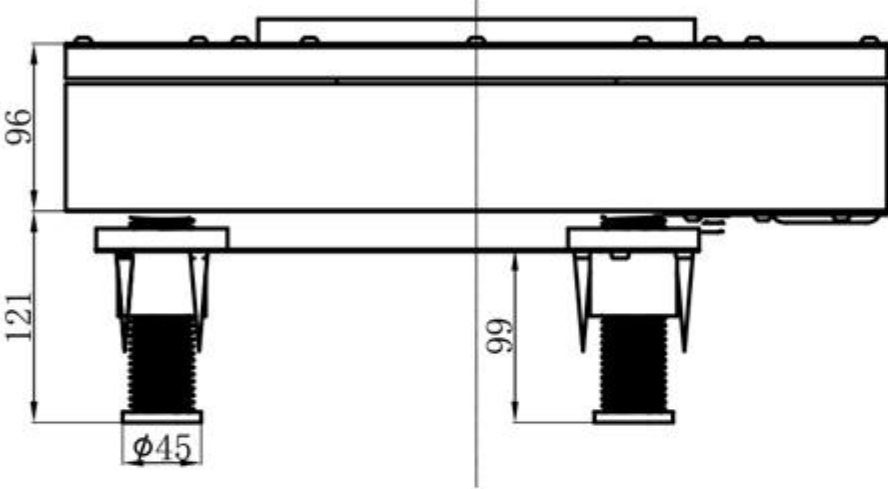
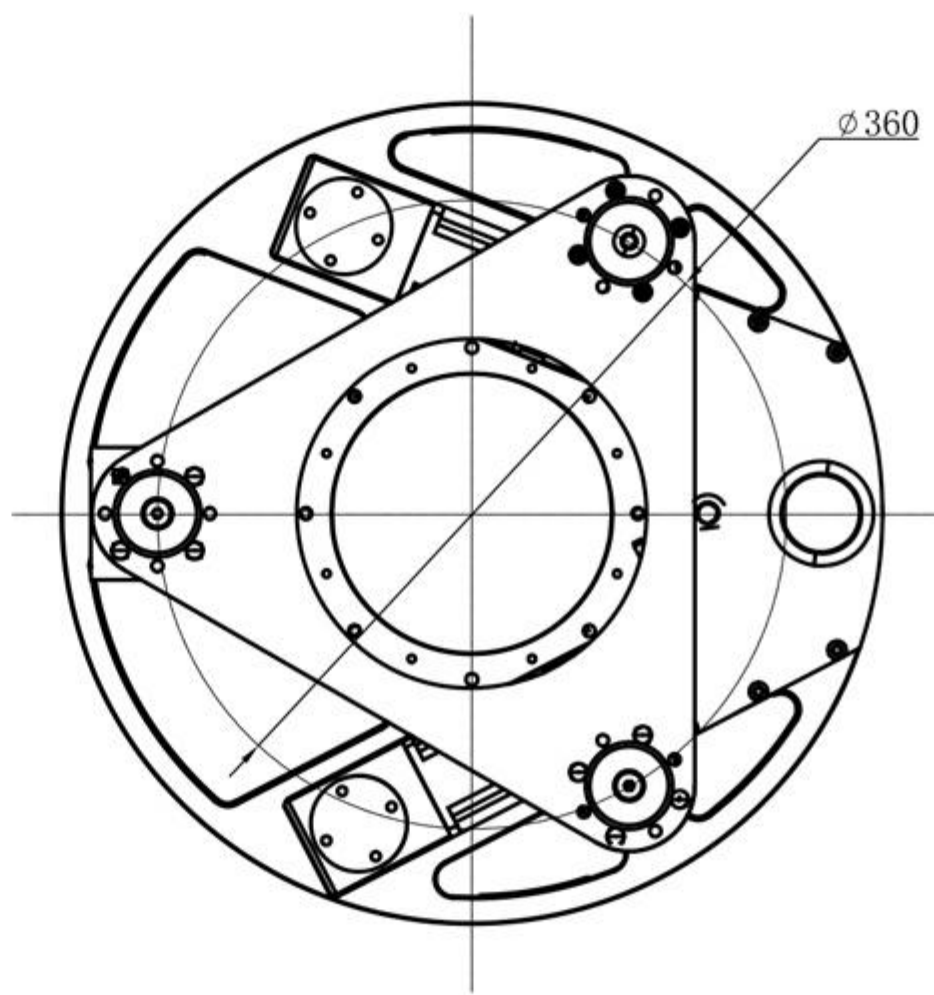
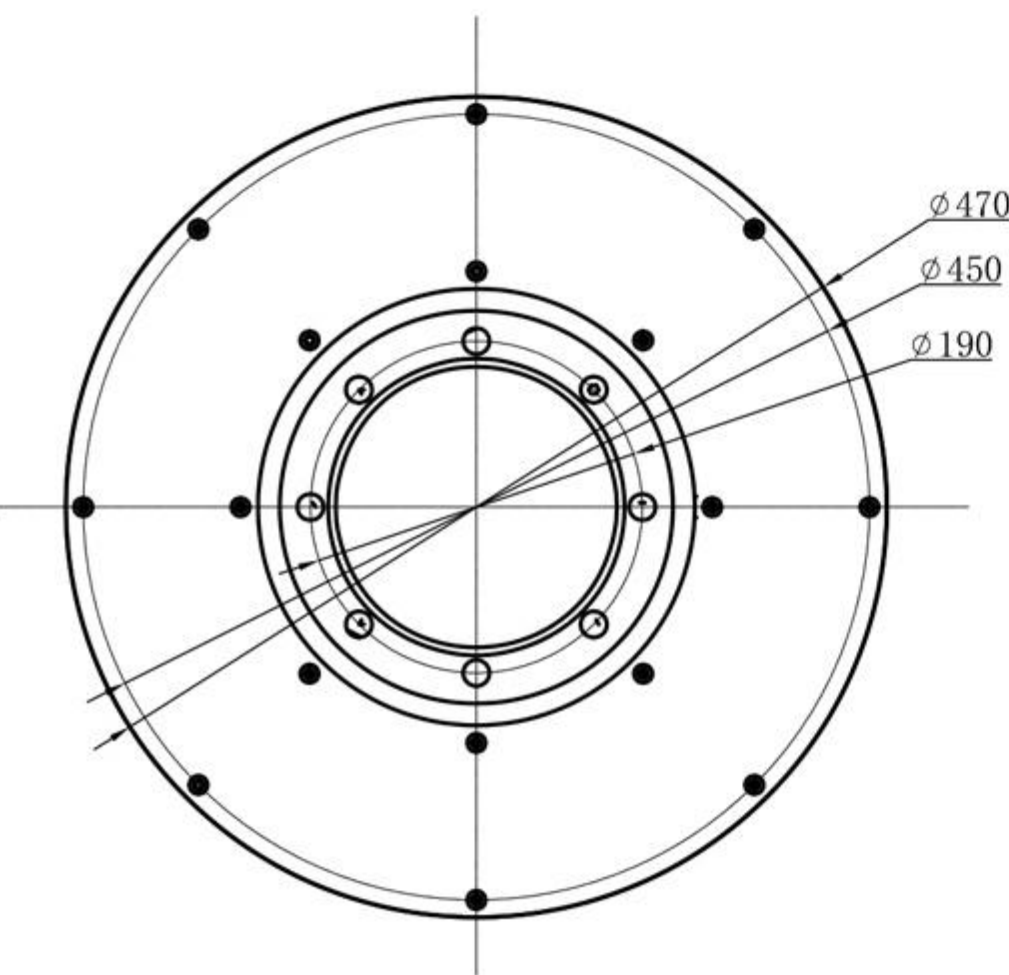


转向部分参数 Steering parameters	
电机类型Series	PMAC
功率 Power(w)	400
电压 Voltage(V)	48
电流Current(A)	11.95
转速Speed(rpm)	3000
减速比Ratio(i)	30
IP等级IP grade	65

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

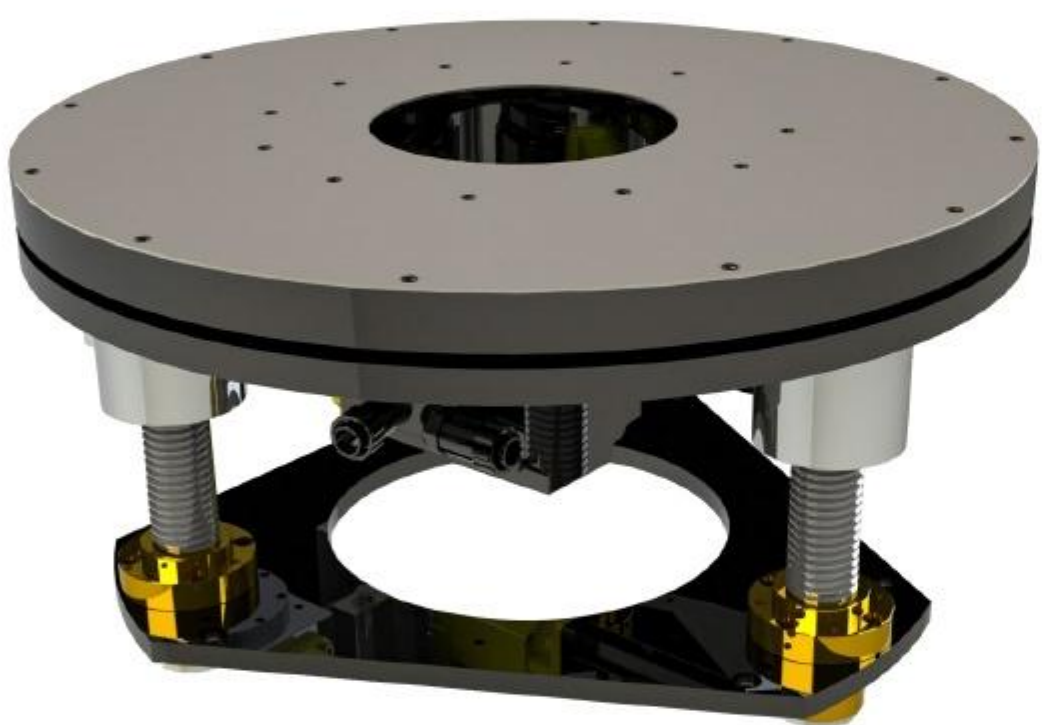


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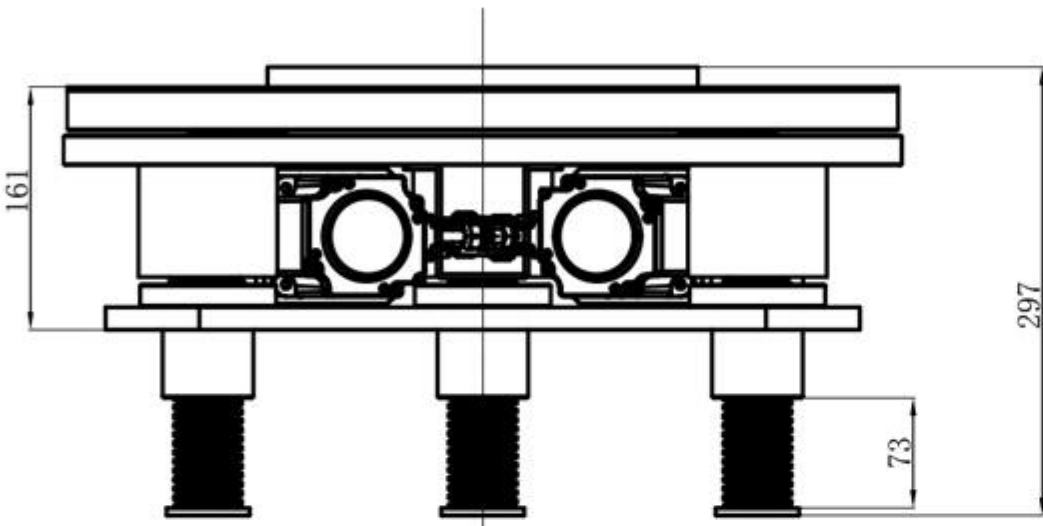
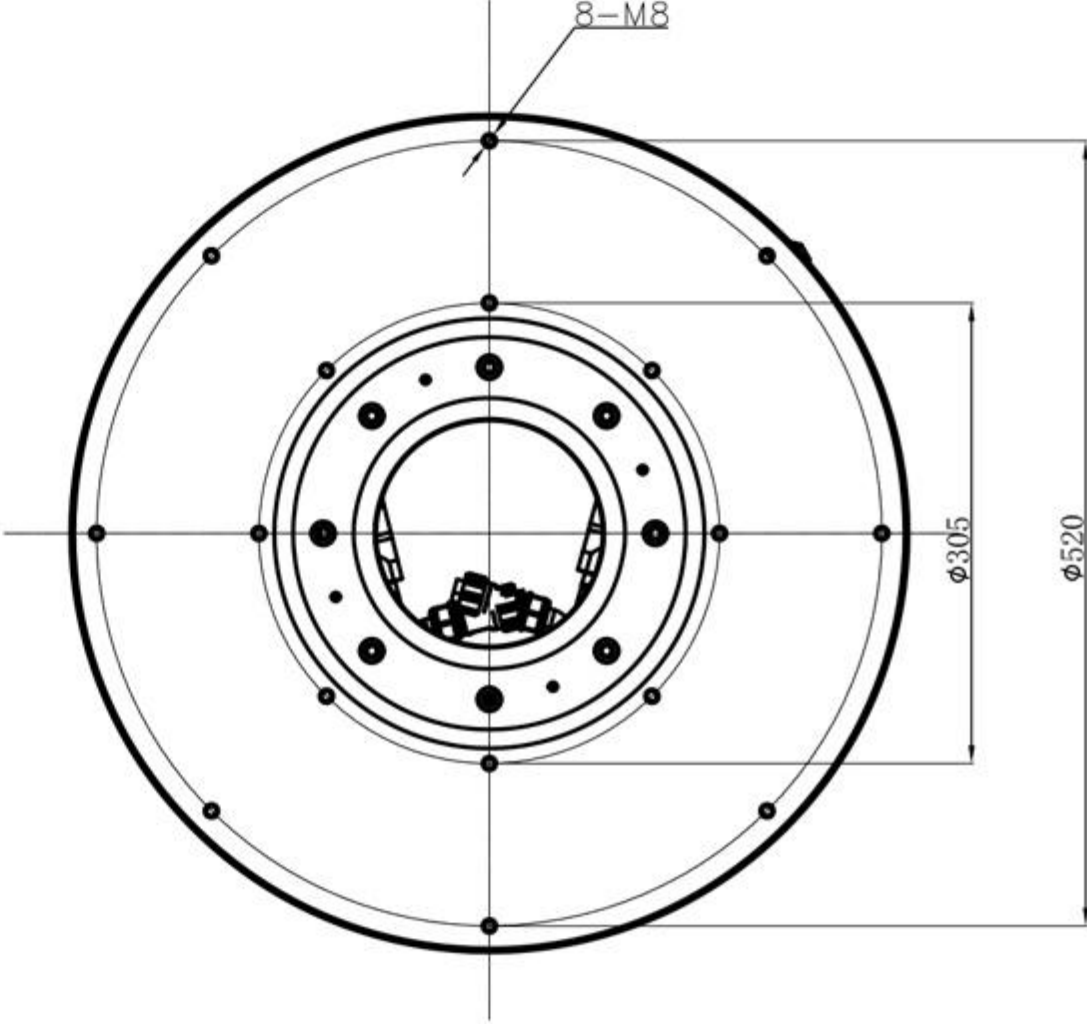
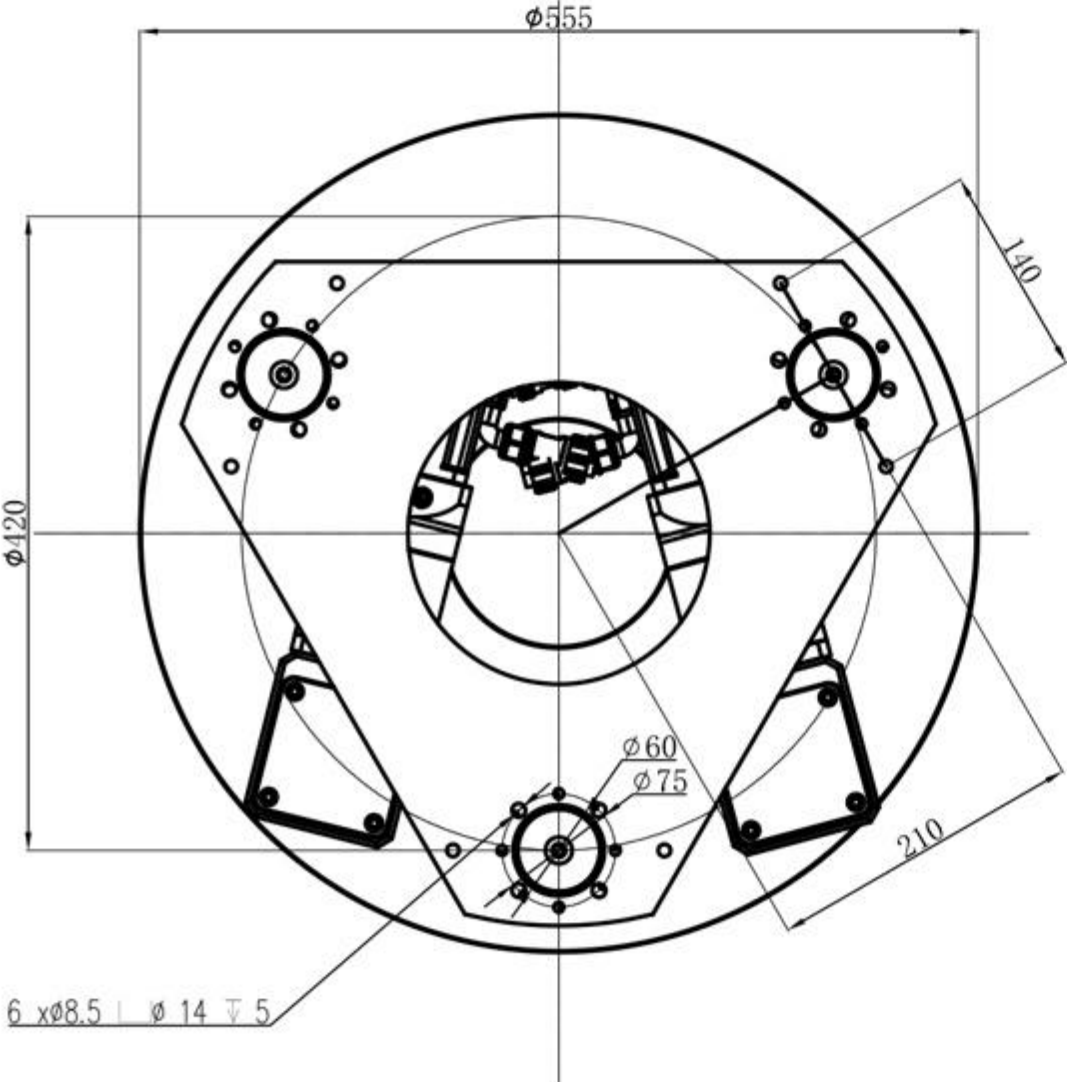


转向部分参数 Steering parameters	
电机类型Series	PMAC
功率 Power(w)	600
电压 Voltage(V)	48
电流 Current(A)	16.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	30
IP等级 IP grade	65

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

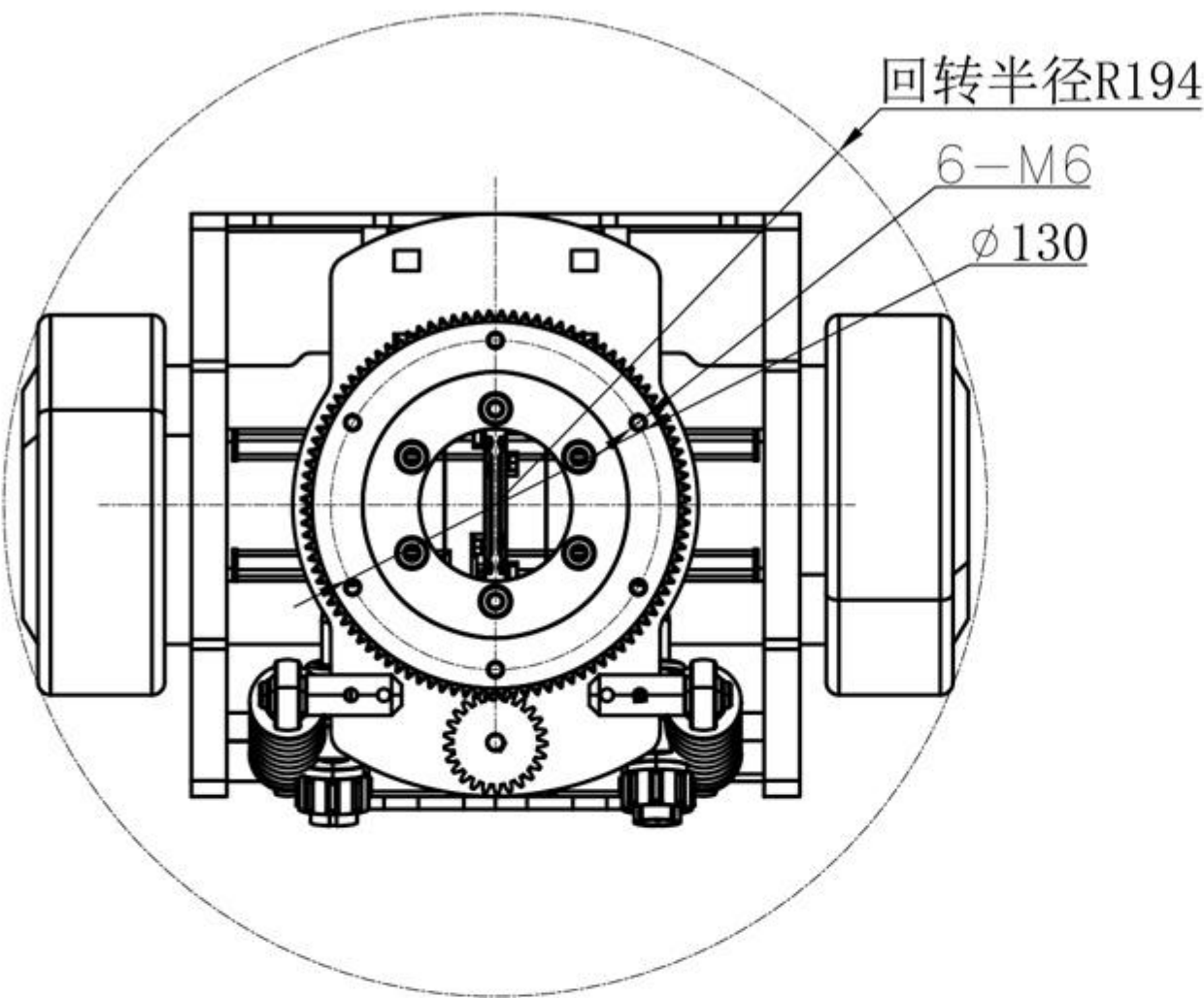
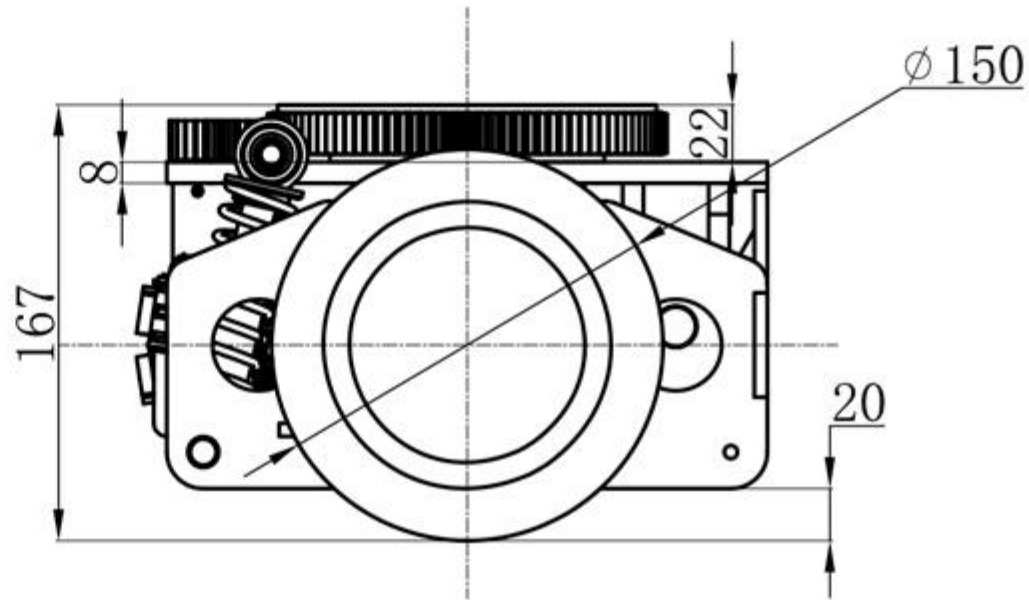
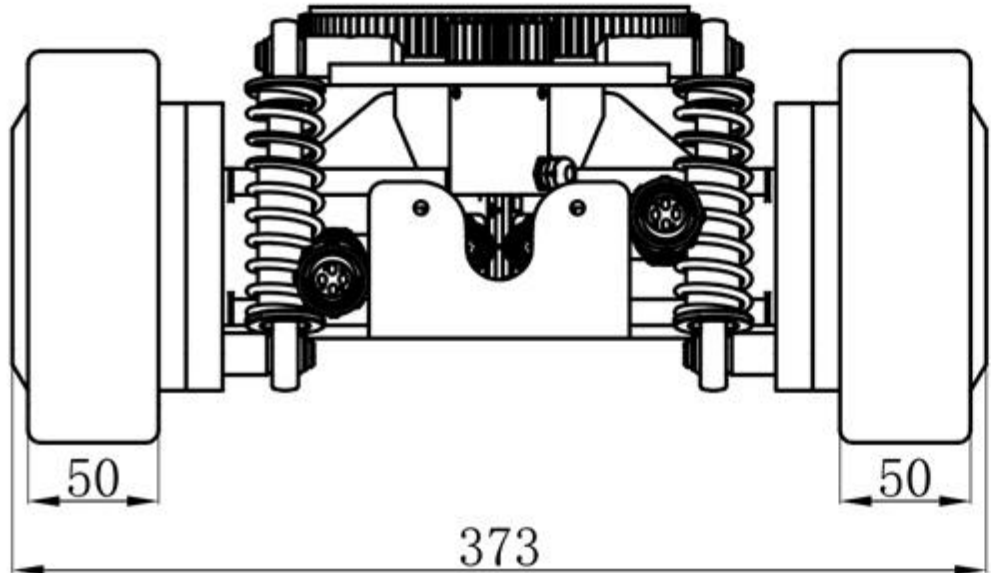
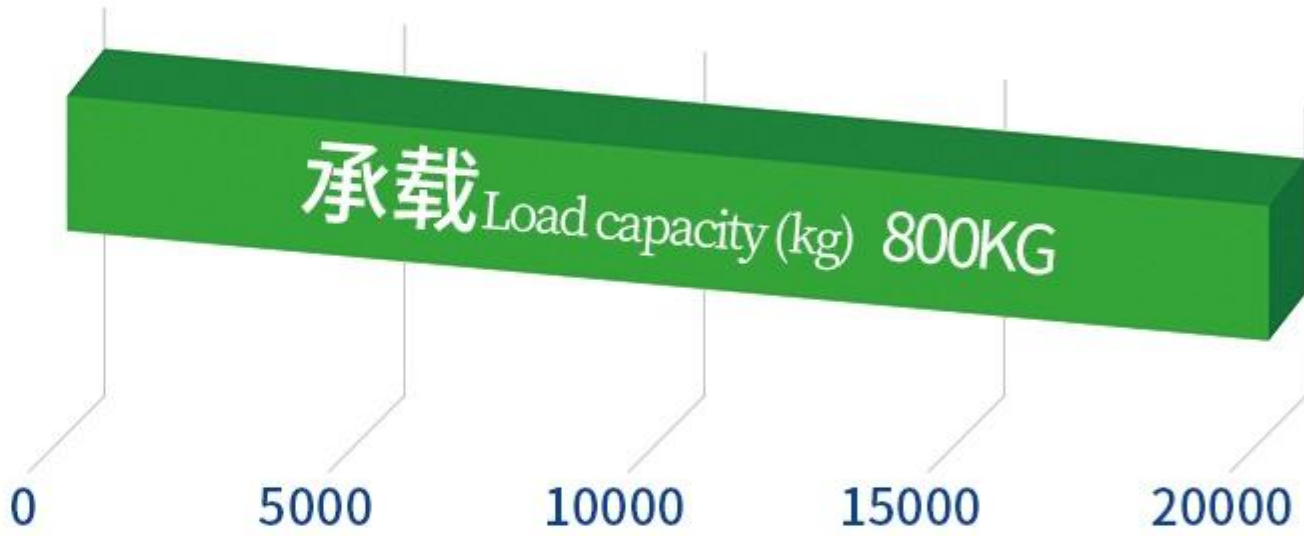
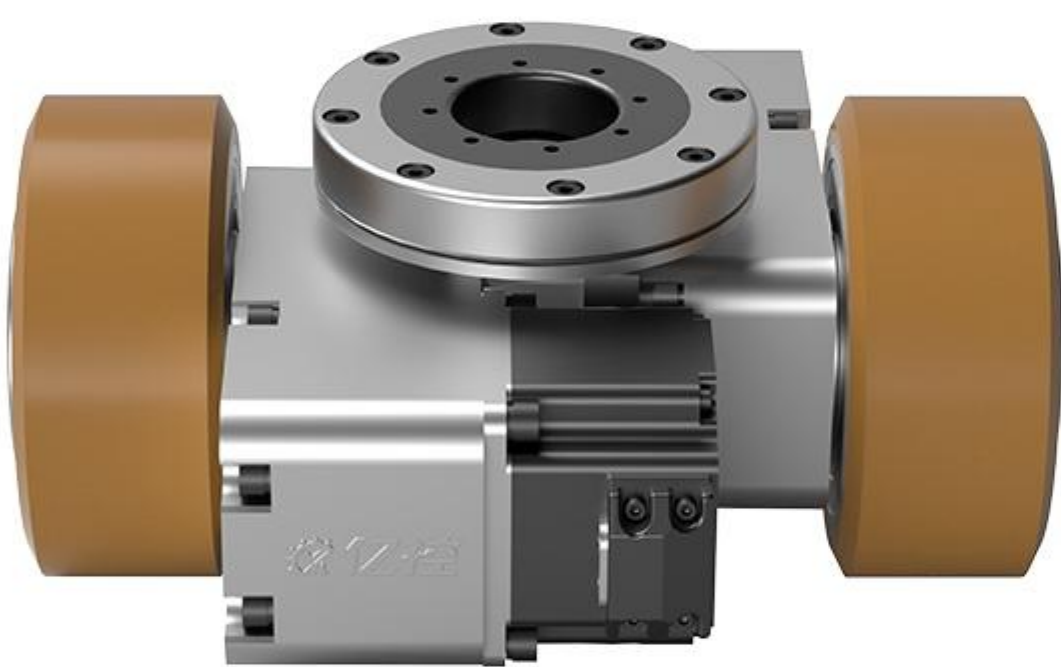


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转向部分参数 Steering parameters	
电机类型Series	PMAC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	26.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	40
IP等级 IP grade	54

PLT-150-D

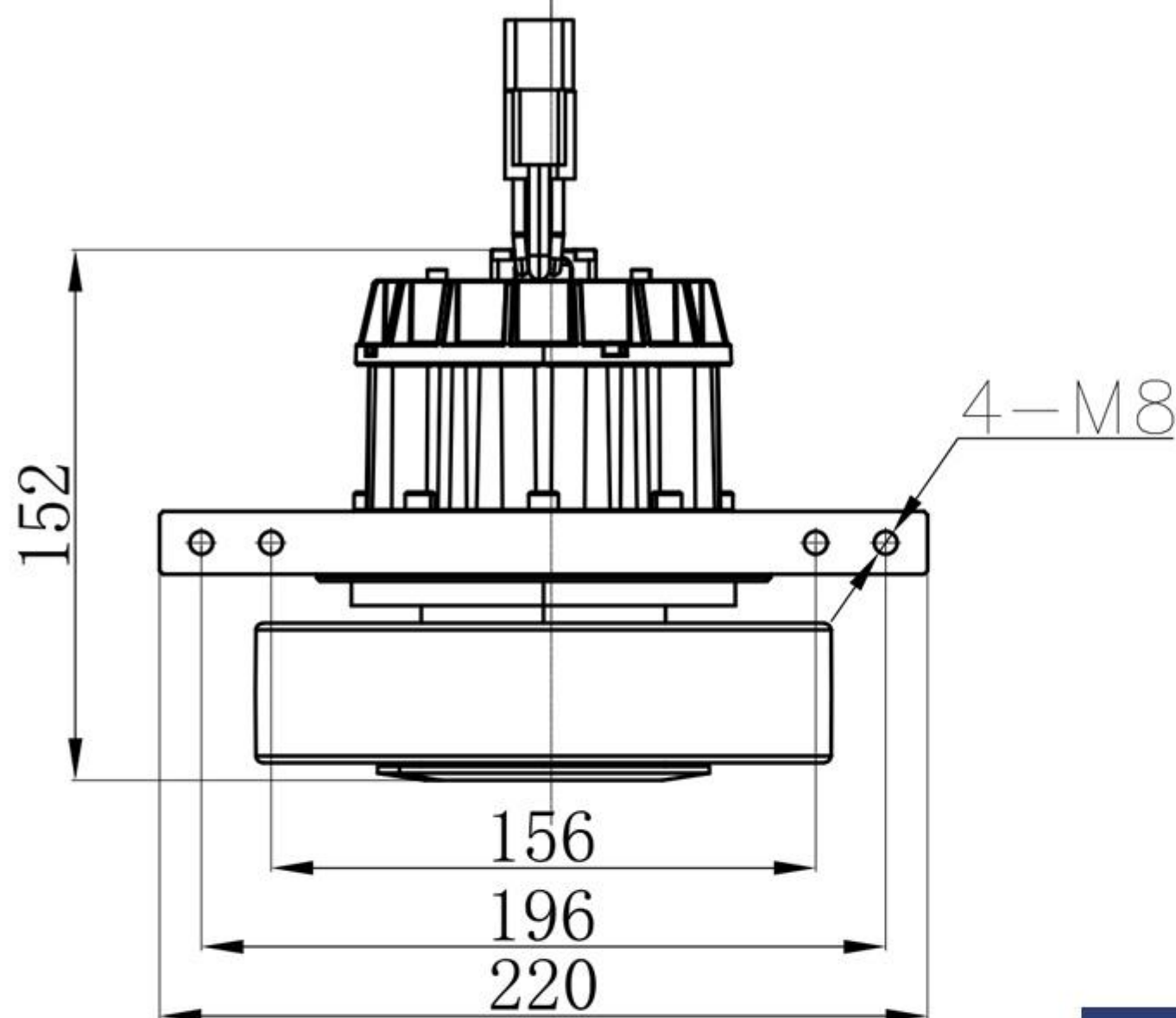
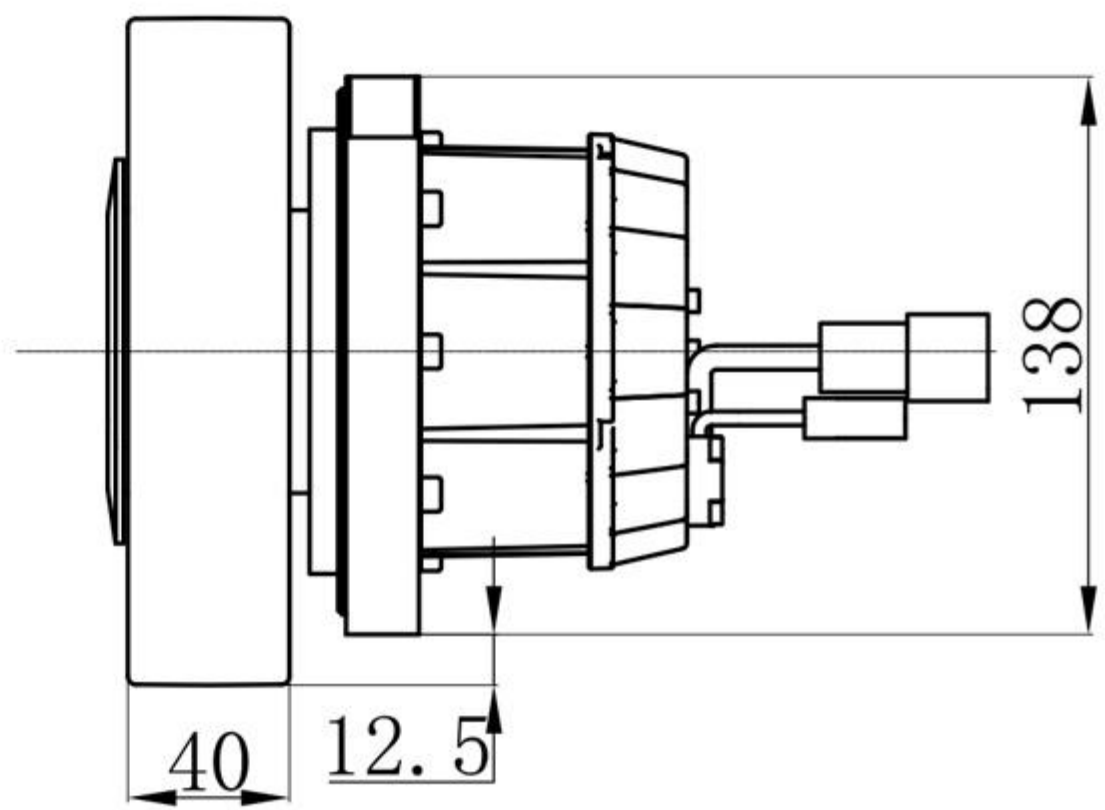
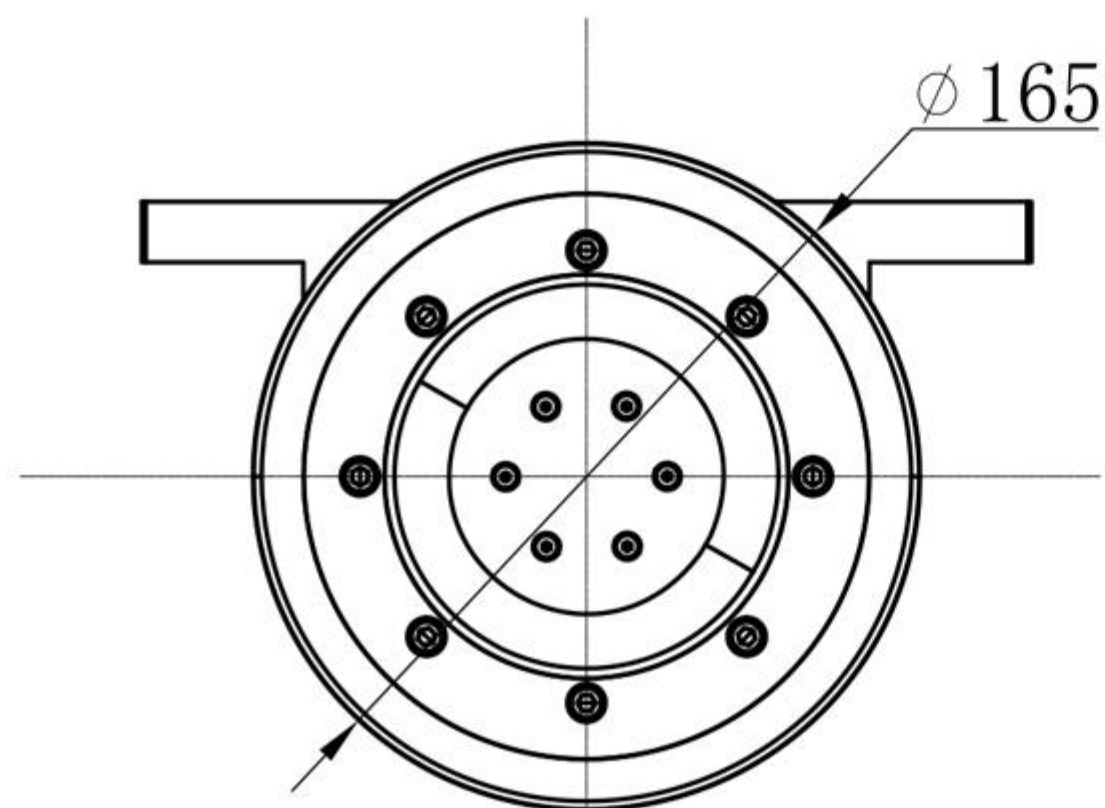
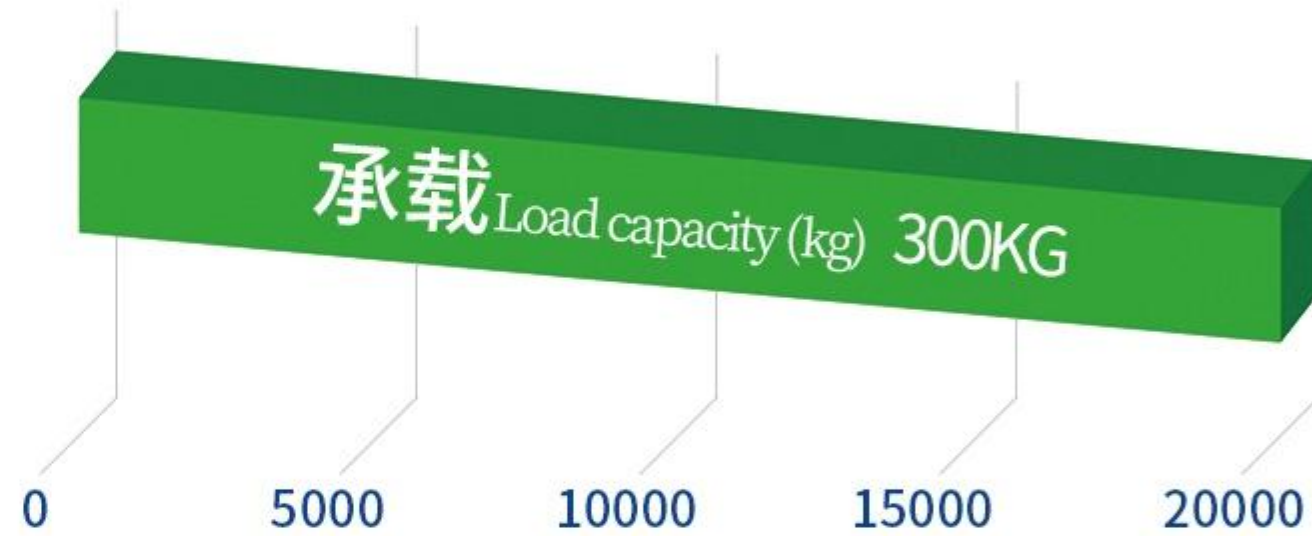


电机类型Series	伺服PMAC
功率 Power(w)	600
电压 Voltage(V)	48
电流Current(A)	17.5
转速Speed(rpm)	3000
减速比Ratio(i)	14.3
承载Load capacity(kg)	800
IP等级IP grade	54



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PLT-165伺服一体轮 Servo integrated wheel



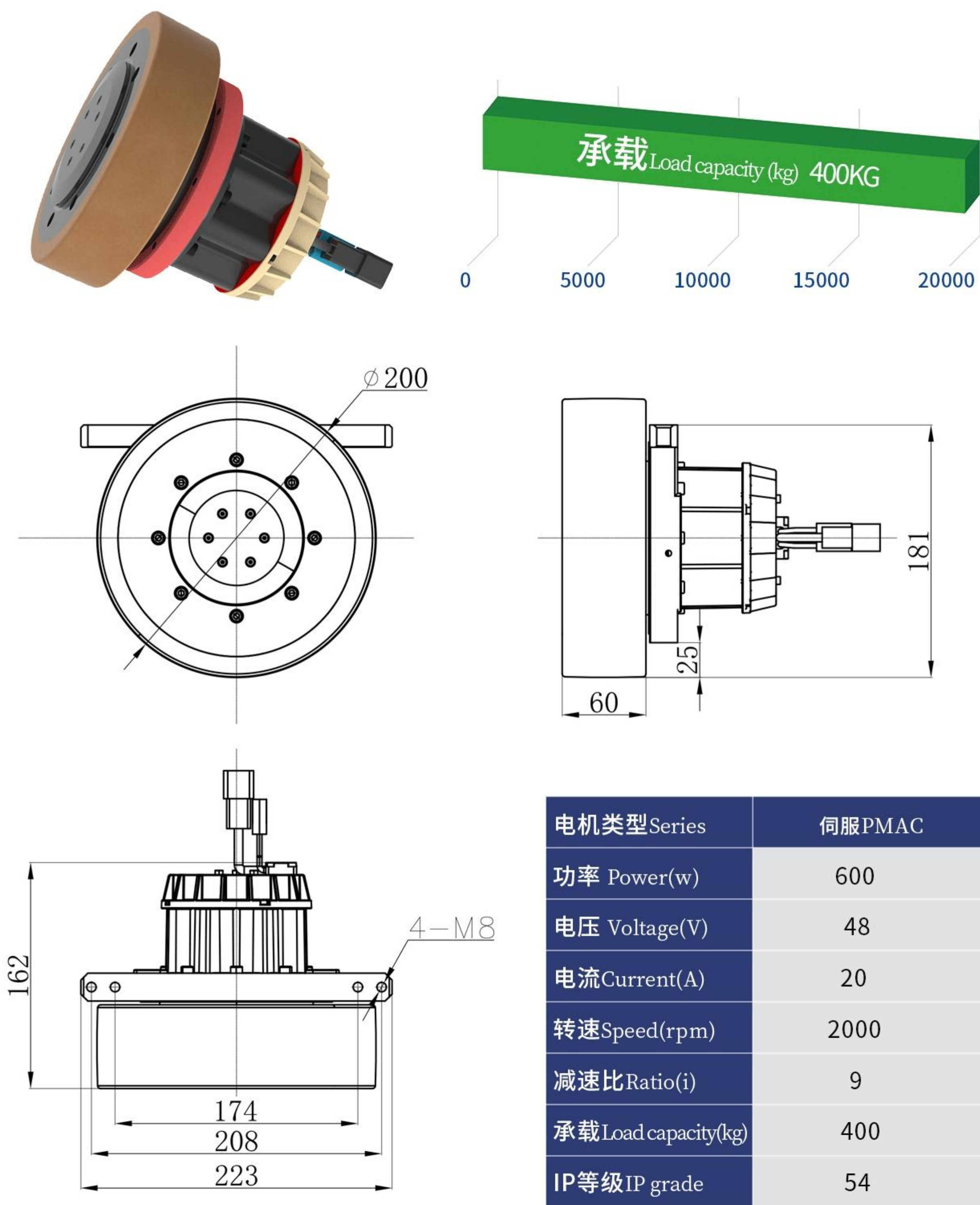
电机类型Series	伺服PMAC
功率 Power(w)	500
电压 Voltage(V)	48
电流Current(A)	17.2
转速Speed(rpm)	2000
减速比Ratio(i)	9
承载Load capacity(kg)	300
IP等级IP grade	54



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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



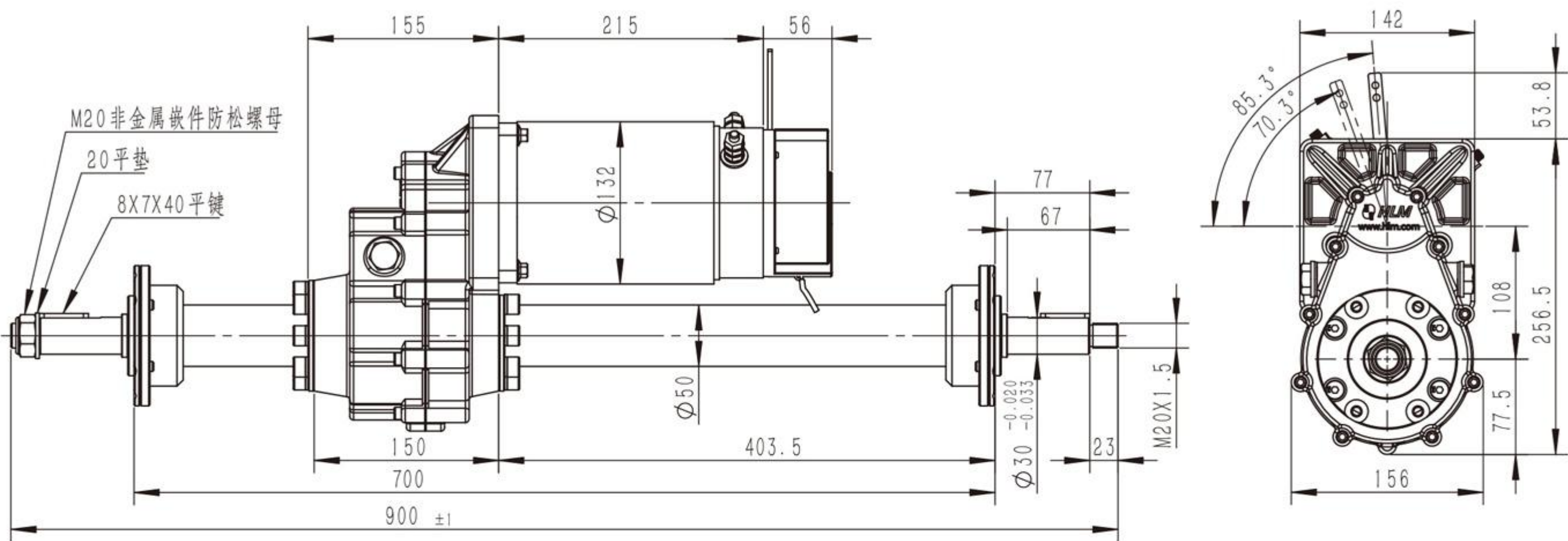
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电气参数 Electrical parameters	
通讯 Interface	CAN
反馈 Feedback	17位单圈磁电编码器 17 bit single coil magneto electric encoder
额定电流 Power(A)	20
峰值电流 Voltage(A)	60

PLT05B



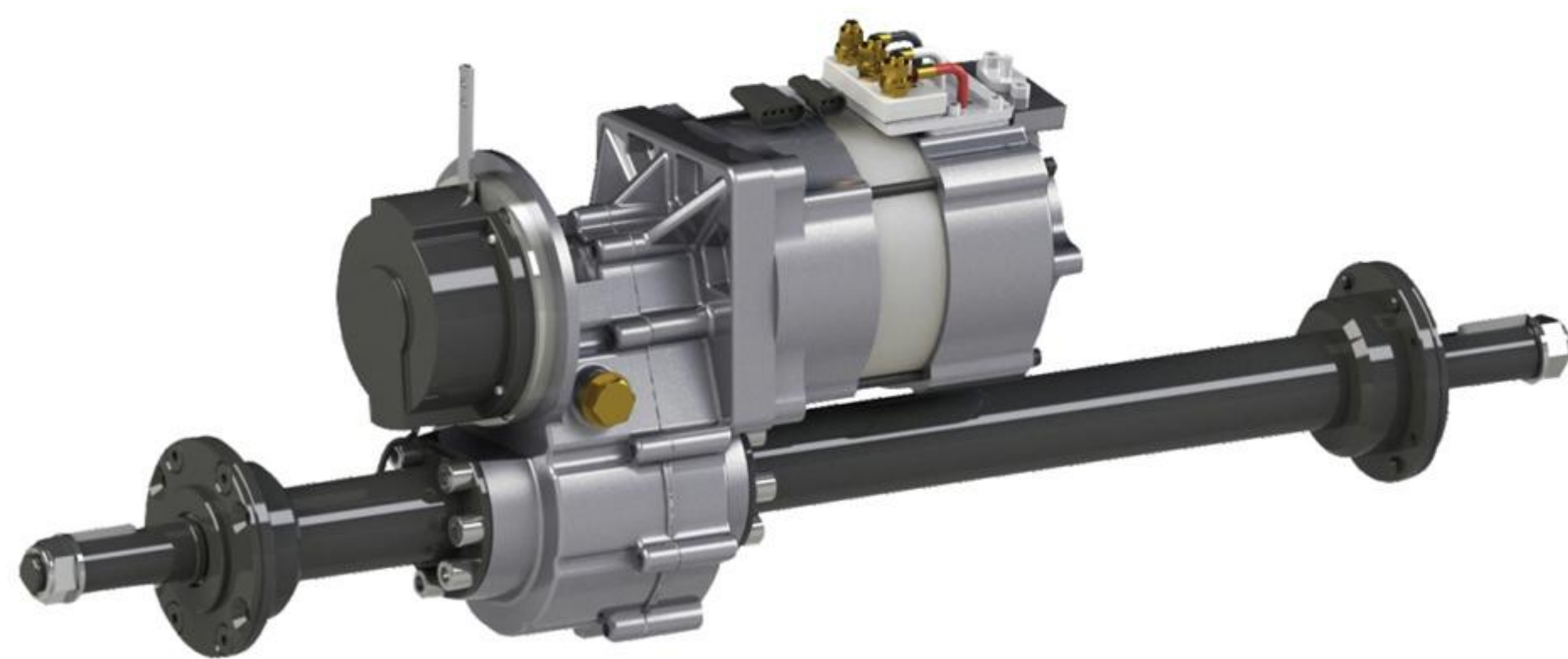
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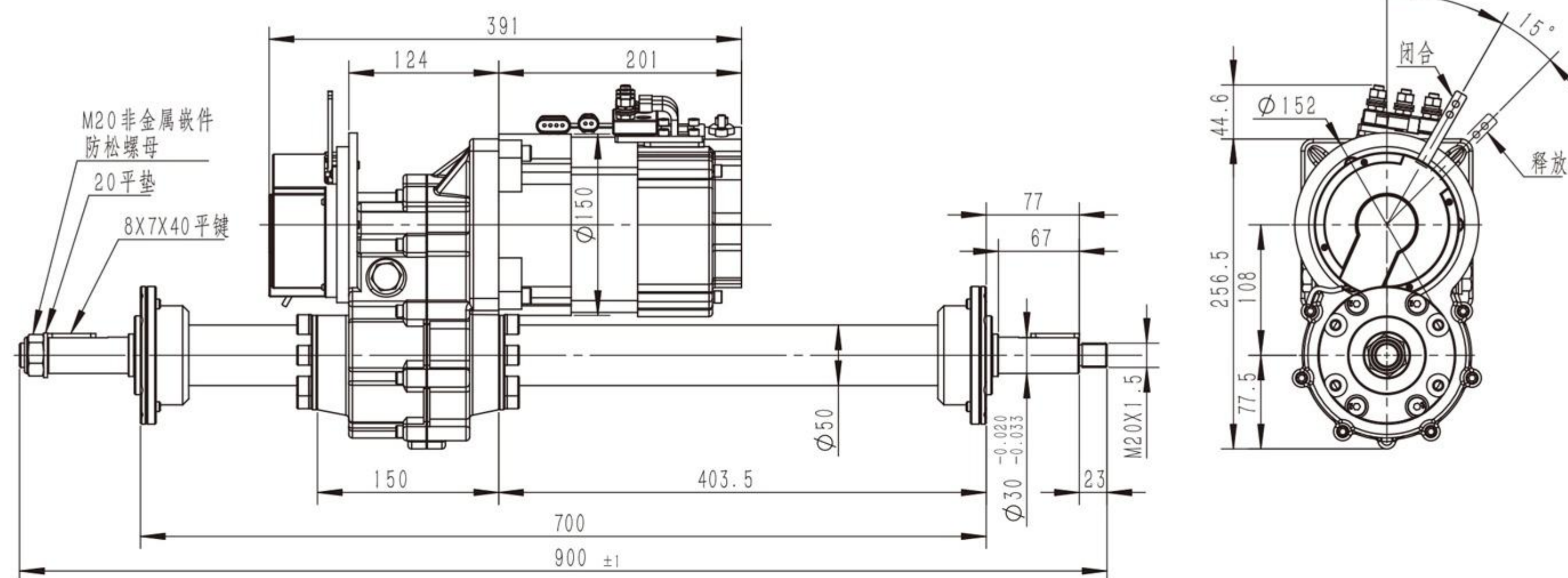
技术参数(Technical parameters)

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

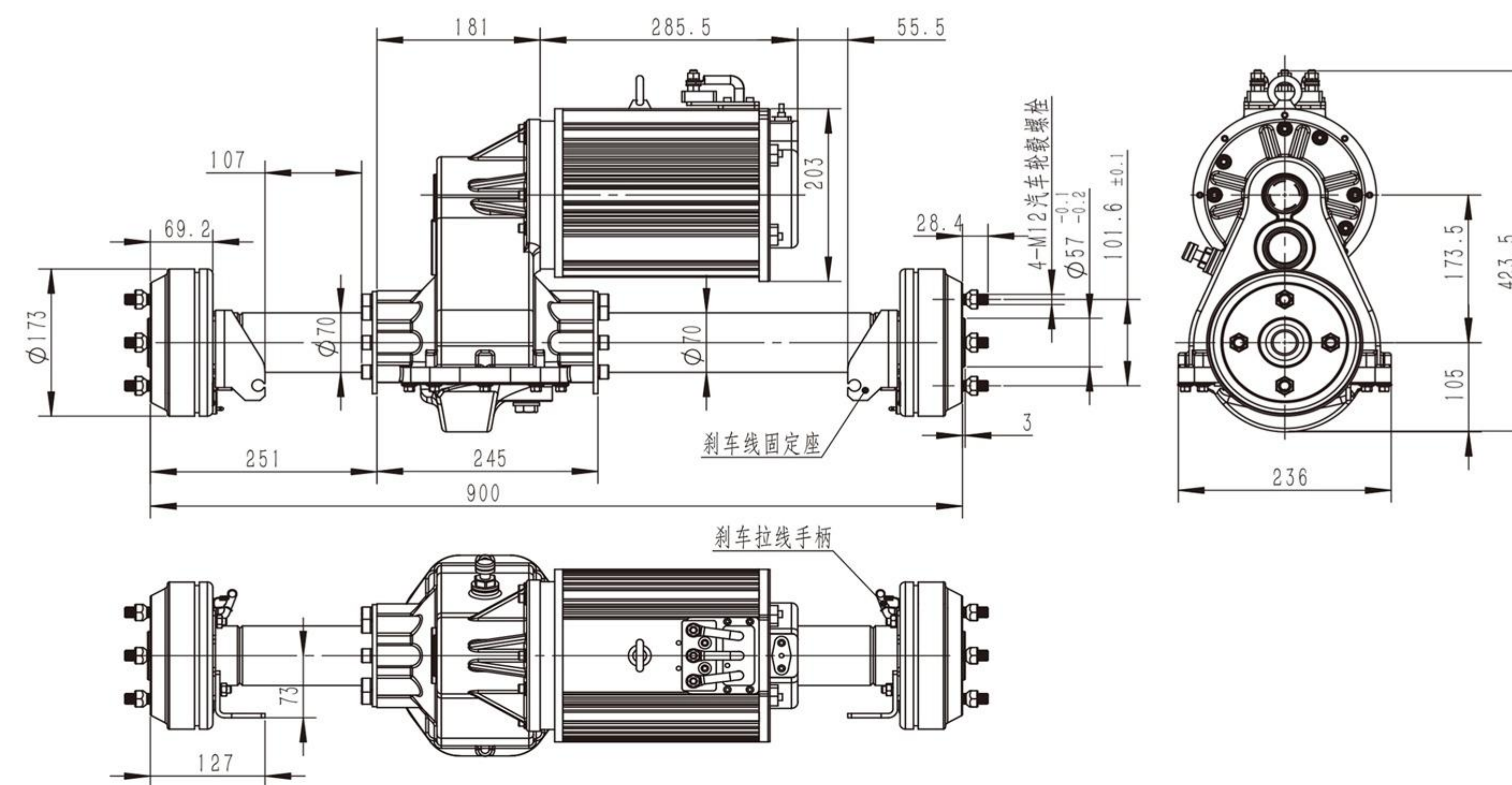
AC2.2KW-36V-2800/5000r/min

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

PLTD24



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技术参数(Technical parameters)

速比 (Ratio) : 24:1、12:1

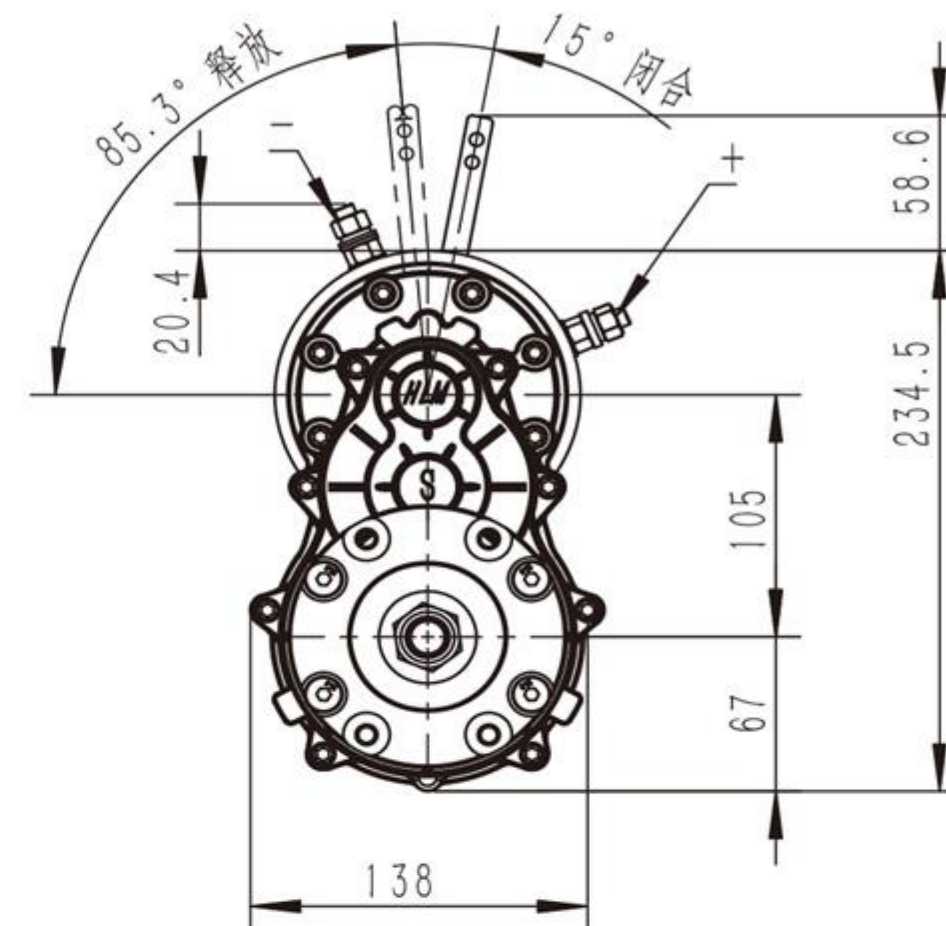
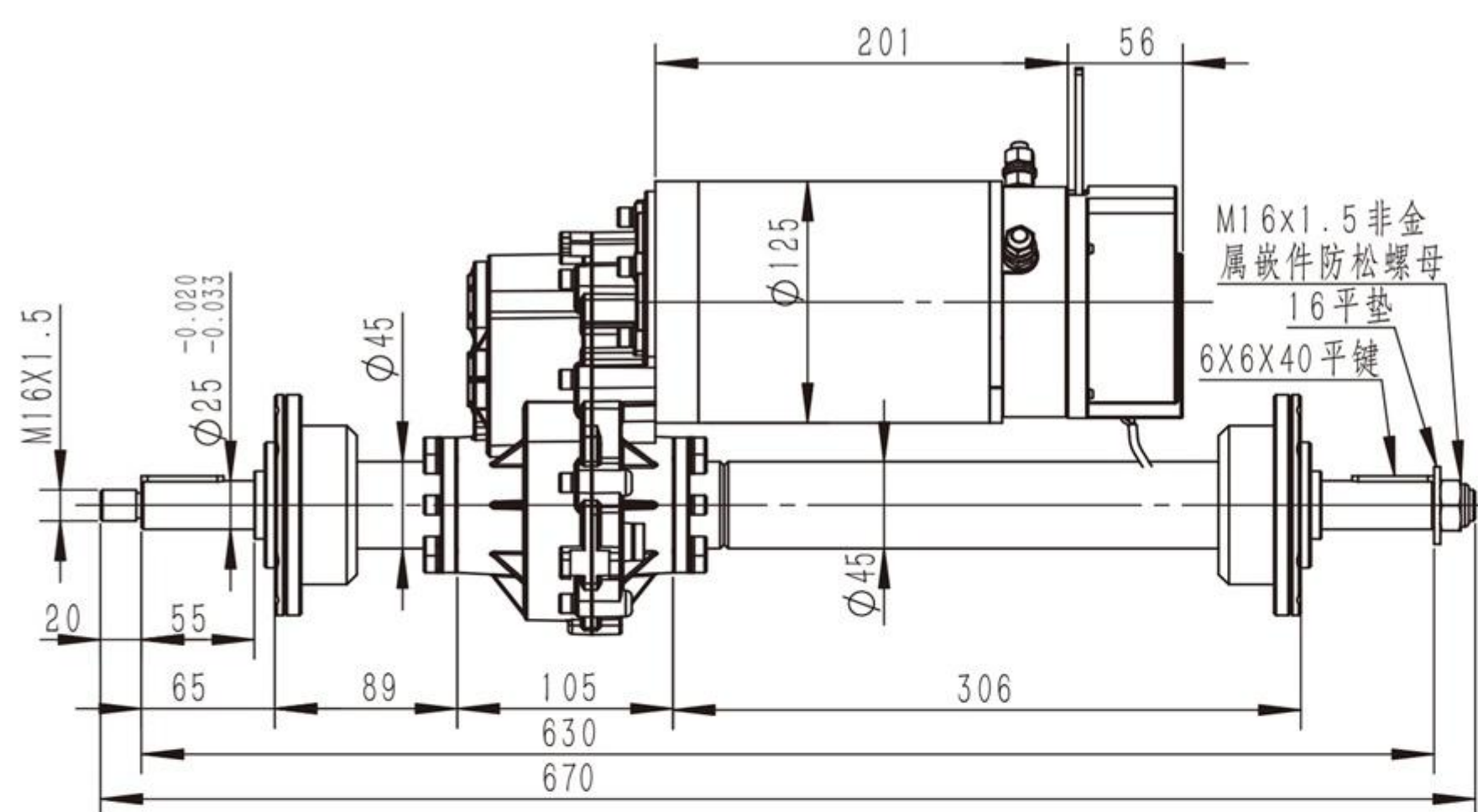
刹车 (Brake) : 160液压鼓刹

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

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

刹车 (Brake) : 12NM (wanner)



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: <u>60</u> 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

$$3\% = 1.72^\circ \quad 10\% = 5.7^\circ$$

$$5\% = 2.86^\circ \quad 15\% = 8.5^\circ$$

Steering torque calculation of steering wheel

μ :Static friction coefficient(0.3~0.5)

m:Mass(kg)

g:Gravity coefficient

L:Wheel width(mm)

T:Torque required for steering(Nm)

$T_{\text{转}}$: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($^\circ$ /sec)

η_1 :Steering reducer efficiency

η_2 :Steering mechanism efficiency

v:Driving wheel speed(m/min)

D:Wheel diameter(mm)

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

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

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

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

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

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

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

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/33HS	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	PLT167P102SP30-32-22HSJ	48	1000	27	3000	3.2	32	87	261		600	48	200	6.4	3000	0.64	50	28
PLT-198	PLT198P152SP30-32-22HSJ	48	1500	39	3000	4.8	32	131	261		1200	48	400	11.5	3000	1.28	50	54
PLT-220	PLT220P102SP30-40-22HSJ	48	1000	27	3000	3.2	40	109	320		1000	48	400	11.5	3000	1.28	50	54
PLT-250	PLT250P152SP30-40-22HSJ	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



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让机器都可以懂得“思考”，
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Enable machines to "think" and
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Innovate material handling, share
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