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Driving Wheel: MSD125-□□-020-30G□L-□

①

②

③

Main parameter	MSD125-□□-020-30G□L-□		
	①	②	③
Gear ratio①	16	20	32
Rated speed (m/s)	1.2	1.0	0.6
Max. speed (m/s)	1.8	1.5	0.9
Final rated torque (N·m)	9.6	12.0	19.1
Motor rated voltage (VDC)	48		
Motor power (W)	200		
Motor rated speed (rpm)	3000		
Gearbox radial load (N)	5000		
Gearbox efficiency	94%		
Protection level (motor/gearbox)	IP54		

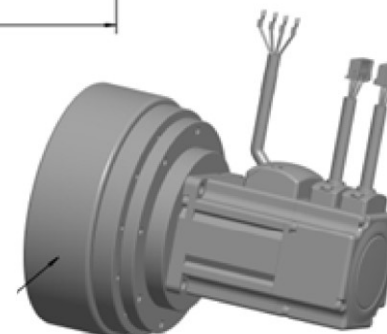
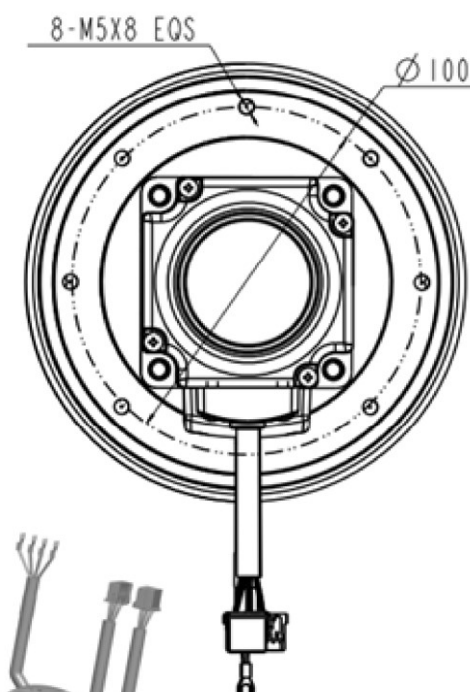
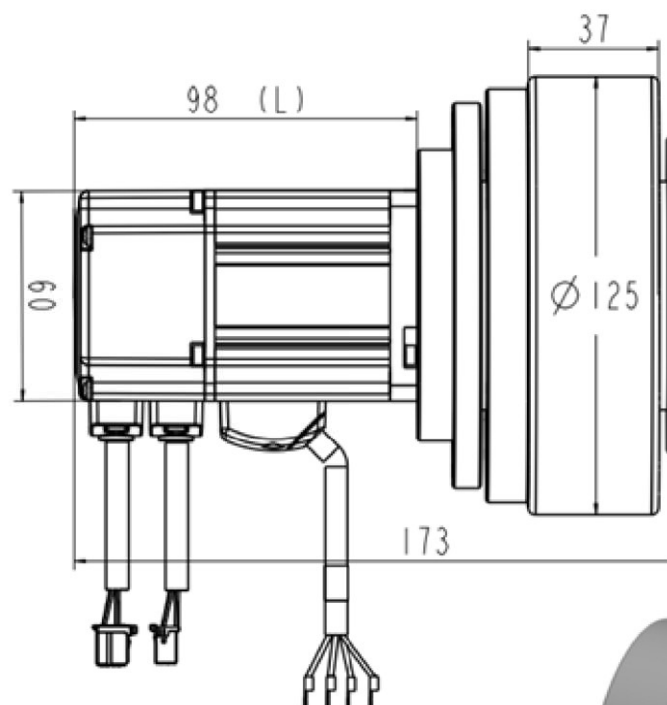
Option/Customization

Dual Encoder (Option) ②	L (SL/N) =78mm
Single: SL Dual: EL	L (SL/B) =117.5mm
Brake (Option) ③	L (EL/N) =98mm
Without: N With: B	L (EL/B) =137.5mm
Brakeact	Can be deep customization
High protection level (Motor/Gearbox)	Can be customization
Tire (Tread)	Can be customization

※Note: Motor in this driving wheel has UL certification.

Complementary products	Part number
Drive	MBDV-2X-520AC-F02
Jacking Module	
Rotation Module	

※Note: MBDV series drive has CE/UL/STO certifications



Tire is a replaceable part,
recommending users to prioritize self-supply

Unit:mm

Unit:mm

第一角画法
First angle method



未注线性与角度尺寸公差
Tolerances for linear and angular dimensions
without individual tolerance indications
GB/T 1804-m eqv ISO 2768-1:m

未注形状与位置尺寸公差
Geometrical tolerance for features without
individual tolerance indications
GB/T 1184-K eqv ISO 2768-2:K

批准 Approve

标准化 Standardize

工艺 Process Review

审核 Check

设计 Design

AGV

2025

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REV.	版本记录 REVISION RECORD	DATE	UNLESS OTHERWISE SPECIFIED	NAMES	SIGNATURE	DATE	Drawing No: preliminary	Rev. Pr.	SCALE: 1:1	Sheet 1 of 1
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