# EW2A-125HN04x Ref. ezSWD125IM.4x/C



 $\checkmark$  ez-Wheel® Safety Wheel Drive - SWD® 125  $\checkmark$  safety wheel drive with industrial rubber, medium duty  $\checkmark$  suitable for:

- logistics robot
- service robot
- AGVs / AMRs







## **Technical characteristics**

Diameter	125 mm
Type of tyre	PU 80 sh.A - Flat profile
Speed range (traction)	0 to 11 km/h
Peak pushing effort	20 daN Moves 500 kg
Nominal performance	7,9 daN at 9 km/h
Maximum vertical load	250 kg (static) 200 kg at 6 km/h 150 kg at 9 km/h 100 kg at 11 km/h
Option(s)	Parking brake

# **Component specifications**

#### **Motor**



Technology	BLDC PM
Gearbox	1-stage planetary ratio 4:1
Indicative lifespan*	5 000 h 1 500 000 starts/stops
Nominal speed	380 rpm
Nominal power	200 W (S1)
Peak torque	13 Nm

# **Safety features**



Motor disconnection	STO SIL3/PLe
Motion control	SLS, SDI, SMS, SIL2/PLd
Braking	SBC SIL2/PLd
Encoder	109 ppr SIL2/PLd
Interface	CANopen Safety®

## **Conditions of use**



Temperatures	0 to +40 °C
IP index	IP66 (electronic housing)
Maintenance period*	5 years

The wheel can be used inside or outside, over a wide range of temperatures. The components do not need any inspection or maintenance over the product's whole lifespan.

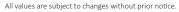
## Weight



Wheel weight	6.2 kg 7 kg with brake

Thanks to the reinforced cast iron housing and wheel hub, the wheel can withstand knocks and severe vibration and enables the wheel to carry some load.

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<sup>\*:</sup> Values for reference, based on standard condition testing, may vary with different application cases.







