

Wheel Hub Motor BL167 Swissdrive

Description

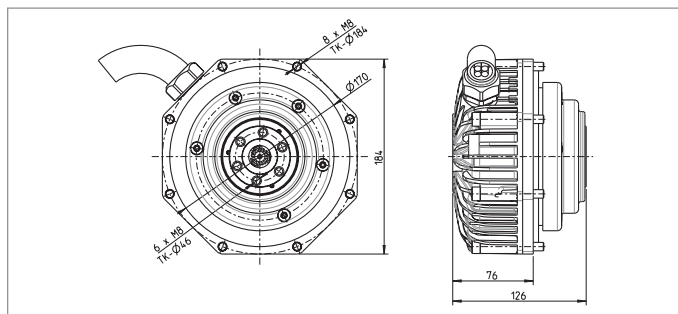
- > Compact wheel hub motor
- > Hightorque BLDC-motor
- > Synchronized speed until low speed ($< 1 \text{ min}^{-1}$)
- > Wheel load in version 500 kg and 1000 kg
- > Minimal wheel size $\varnothing 200 \text{ mm}$
- > Optimal space saving mounting on the chassis
- > Integrated holding brake with manual unlocking
- > Encoder 1024 imp.

Typical Applications

- > Floor transportation vehicles
- > Electric powered compact vehicles

Control Unit

- > Developed for floor-borne vehicle application
- > Advanced field oriented commutation with flux weakening control
- > Several interfaces (CAN, RS485, RS232 etc.)
- > 12 digitale and 8 analog I/O



Technical Information (further versions possible on request)

Nominal voltage (non-standard voltages on request)	[VDC]	24, 48
Nominal power	[W]	1000
Maximal power	[W]	1800
No load speed	[rpm]	190
Nominal torque	[Nm]	55
Starting torque	[Nm]	130
Nominal current at 24VDC (depending on voltage, speed and load)	[A]	54
Motor diameter D	[mm]	185
Mounting	-	flange
Wheel	right, left	diverse tyres, Vulkollan wheel
Insulation Protection	Class F IP43	further versions on request
Dimensions	[mm]	refer drawing
Weight (with brake)	[kg]	9