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TO series | TO 50 BLDC

Differential drive steering systems.
Compact drive system with Ø100mm wheel.

APPLICATIONS

// Cleaning machines

Walk-behind scrubbers, Ride-on scrubbers,

// AGV / AGC

AGCs,

// Electric vehicles

Mobility, Airport, Agriculture and horticulture, Air platforms, Hospital, Any other,

AVAILABLE OPTIONS

gearbox

- Max wheel torque in acceleration 60 Nm
- Max wheel torque continuously 20 Nm
- Max load on the gearbox 250 kg
- Gear ratio 1/9.9

traction motor

- Type Brushless DC
- Nominal torque 2.1 Nm
- Nominal speed 3000 rpm
- Battery voltage 48 V
- Speed sensor up to 2500 ppr

wheel

- Materials Polyurethane
- Ø 100 W 50

brake

- Torque 4.5 Nm
- Voltage 48 V

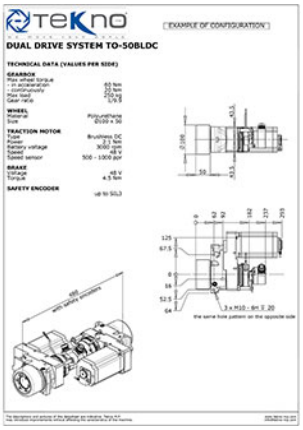
safety encoder

- Up to SIL3

Benefits

- Wide performance range
- High load capacity
- Installation space savings
- Easy fixing to the chassis
- High efficiency, low energy consumption
- Reduced backlash, low noise precision gearing
- Fully oil lubricated gearbox
- Wide range of motors
- Selectable gear ratio
- Different brake size also available with release lever
- 100% tested and certified drive system
- ISO9001, ISO14001, ISO18001 certified
- Made in Italy




TeKno

"EXAMPLE OF CONFIGURATION"

DUAL DRIVE SYSTEM TO-50BLDC

TECHNICAL DATA (VALUES PER SIDE)

GEARBOX	
Nominal torque	60 Nm
* on acceleration	120 Nm
* continuously	70 kg
Max load	1/9.3
Gear ratio	
WHEEL	
Material	Polyurethane
Size	Ø200 x 50
TRACTION MOTOR	
Type	Brushless DC
Power	2.1 Nm
Battery voltage	3000 rpm
Speed	48 V
Speed sensor	500 - 1000 ppr
BRAKE	
Voltage	48 V
Torque	4.5 Nm
SAFETY ENCODER	
	up to SIL3

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