

TE20LI / TE30LI

Electric lithium-ion tow/push tractor with a capacity of 2000 and 3000 kg



INTRODUCTION

The TE20Li and TE30Li are compact, safe electric tractors designed for commercial or light industrial environments. They can tow up to 2,000 kg (TE20Li) and 3,000 kg (TE30Li), whether it be trolleys, or light machinery. Their modular design allows the drawbar, battery and motor to be adapted to suit requirements. They feature a removable lithium-ion battery, 250 mm non-marking wheels and a customisable coupling.

// ADVANTAGES

- Capacity of 2 tonnes (TE20Li) and 3 tonnes (TE30Li)
- Extremely manoeuvrable
- Ergonomic drawbar, adjustable and lockable in the upright position
- LCD display
- 48 V / 20 Ah lithium battery
- Curtis controller with CAN-bus technology
- Non-marking, non-slip wheels
- PIN and RFID start-up





LED lighting

The tractor is fitted with LED lighting to warn passers-by in work areas.



Robust design

The tractor's steel bonnet provides effective protection for internal components against impacts. The tractor has a quick-release battery, the hinged cover opens easily to allow access.



Integrated charger

The tractor can be fitted with an optional integrated charger. The for the charging socket prevents the tractor from being used until the cable is correctly inserted.



Simplified diagnostics

The easily accessible connector allows you to adjust the and carry out diagnostics.



Emergency stop switch

The emergency stop switch is located near the PIN code panel.



Enhanced stability

In steering mode with the drawbar in the fixed central position, using the ball hitch may cause the tractor's front wheel to lift off the ground. In this case, an additional chain can be attached to the drawbar, allowing the operator to apply extra force during operation.





PIN code keypad

The PIN code and RFID chip ensure rapid unlocking and prevent unauthorised use. The LCD screen displays the truck's status: operating hours, battery level and any error codes for diagnostics.

HITCH OPTIONS



Standard manual coupling

Plate height 25 mm, adjustable from 25 to 60 mm, spring-loaded pin locking system.



Pivot-pin coupling (optional)

Fitted with a spring-loaded clamp to prevent uncoupling. 20 mm pin, nominal height under clamp 70 mm



LKE coupling (optional)

For LKE pin-type connectors.

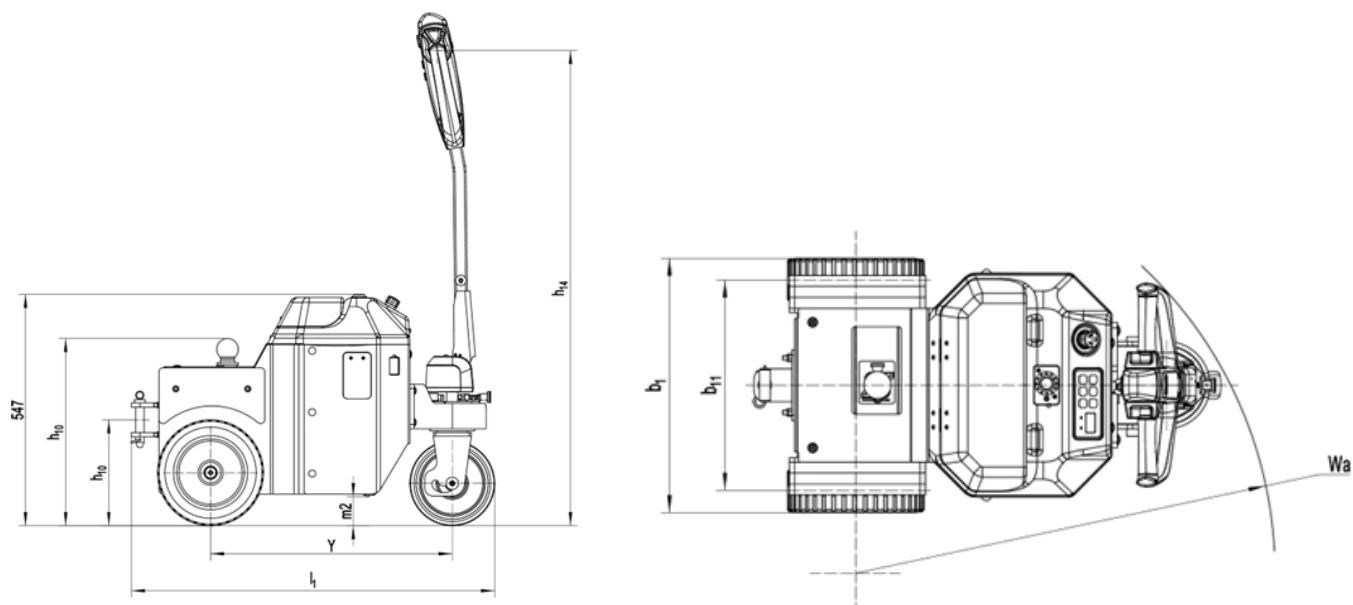


Hitch arm (optional)

The height-adjustable coupling arm incorporates a centring spring. It accommodates standard or bespoke couplings mounted on a 60x60 mm flange with 8.5 mm holes.

Other models – please contact us




Technical specifications in accordance with VDI 2198

Specifications	1.2	Part number - Model		TE20LI	TE30LI
	1.3	Drive type		electric	
	1.4	Drive type		accompanying	
	1.5	Rated capacity	Q (t)	2	3
	1.7	Rated tensile force	F (N)	400	600
	1.9	Wheelbase	y (mm)	570	626
Weight	2.1	Weight with batteries	kg	190	327
	2.3	Axle load without front/rear load	kg	65 / 125	103 / 224
Wheels Chassis	3.1	Wheels		heavy-duty rubber	
	3.2	Front wheel dimensions	$\varnothing \times w$ (mm)	$\varnothing 200 \times 50$	$\varnothing 200 \times 50$
	3.3	Rear wheel dimensions	$\varnothing \times w$ (mm)	$\varnothing 250 \times 80$	$\varnothing 300 \times 80$
	3.5	Number of front/rear wheels (x = drive wheel)		1 x / 2	1 x / 2
	3.7	Rear track width	$b11$ (mm)	386	512
Dimensions	4.9	Drawbar height in minimum/maximum driving position	$h14$ (mm)	750 / 1120	750 / 1120
	4.12	Height of coupling pin / coupling ball	$h10$ (mm)	160–300	185–325
	4.12	Height of coupling pin / coupling ball	$h10$ (mm)	440 / 465	465 / 490
	4.19	Overall length	$l1$ (mm)	880	950
	4.21	Overall width	$b1$ (mm)	466	592
	4.32	Ground clearance	$m2$ (mm)	72	94
	4.35	Turning radius	Wa (mm)	770	950
Performance	5.1	Travel speed without / with load	km/h	4.8 / 4	5 / 4.5
	5.5	Towing capacity without / with load	N	400	600
	5.6	Maximum traction without / with load	N	800	1600
	5.10	Service brake		electromagnetic	
Electrical system	6.1	Traction motor	kW	0.5	1.3
	6.3	Batteries in accordance with DIN 43 531 / 35 / 36 A, B, C, None		no	no
	6.4	Battery voltage / nominal capacity K5	V / Ah	48 / 20	48 / 20
	6.5	Battery weight	kg	7.7	7.7
Miscellaneous	8.1	Transmission type		BLDC	BLDC
	8.4	Noise level at the driver's ear in accordance with EN 12 053	dB (A)	< 70	< 70