



# TDL201

## 3-WHEEL DUAL-DRIVE COUNTERBALANCE FORKLIFT 2000KG

2000 kg 6000 mm 48 V Li-Ion



This 3 wheel forklift is ideal for a wide range of settings, including large warehouses, docks, side bay lorries, and logistics centers, delivering strong performance both indoors and outdoors.

Boosts productivity with its Li-ion heart and dual drive units, meeting the demands of intensive applications.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity K5		Ah	405
Battery voltage		V	48
Rated capacity	Q	kg	2000
Load centre distance	c	mm	500
Service weight		kg	3575
Height, mast lowered	$h_1$	mm	2075
Lift	$h_3$	mm	3000
Height, mast extended	$h_4$	mm	4058
Overall length		mm	3095
Overall width	$b_1/b_2$	mm	1150
Length to face of forks	l2	mm	2025
Fork dimensions	s/e/l	mm	40X122X1070
Turning radius		Wa	1605
Manufacturer			EP
Model designation			TDL201

# Features

## Hydraulic steering system with better human-vehicle interaction

The TDL series adopts the hydraulic steering system and this achieves more precise and responsive operation, which demonstrates better human-vehicle interaction. Plus, the hydraulic steering system comes with a simple and reliable structure with lower maintenance costs.

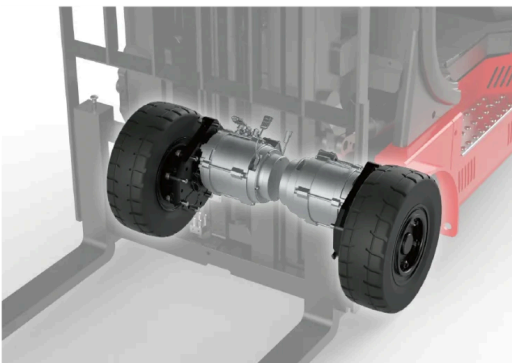


## Electromagnetic joystick available for premium needs

For premium material handling, the electromagnetic joystick is available as an option which puts operation experience and productivity at the forefront. The joystick houses all controls of the truck and the operator are allowed to perform all functions in a palm-sized place with utmost precision.

## Larger legroom to amplify driving comfort

The integrated design of the operator compartment is intended to create a larger operational space to improve ergonomics to reduce operator work-related health issues, as well as to improve operational efficiency.



## Powerful and constant working performance

The lithium battery with opportunity charging and 5.4kW\*2 dual drive motors guarantee the TDL series operate at full power at all times with a permanently high performance. It comes with a 48V/50A integrated charger as standard for charging convenience and 48V/150A and 48V/200A external chargers available as options to better fit in your needs.

## Optimized truck frame for cabin installation and detachment

The TDL series features the streamlined design as the L2 series and an optimized one-piece truck frame, which is easy for cabin installation as well as detachment.



## New informative LED display

The TDL series provides the high-resolution LED display which is installed at the upper right corner of the cabin. Via a glance, the operator is able to find speed, working hours, battery status, miles driven and parking status. This informative and intuitive display ensures relaxed and safe working.

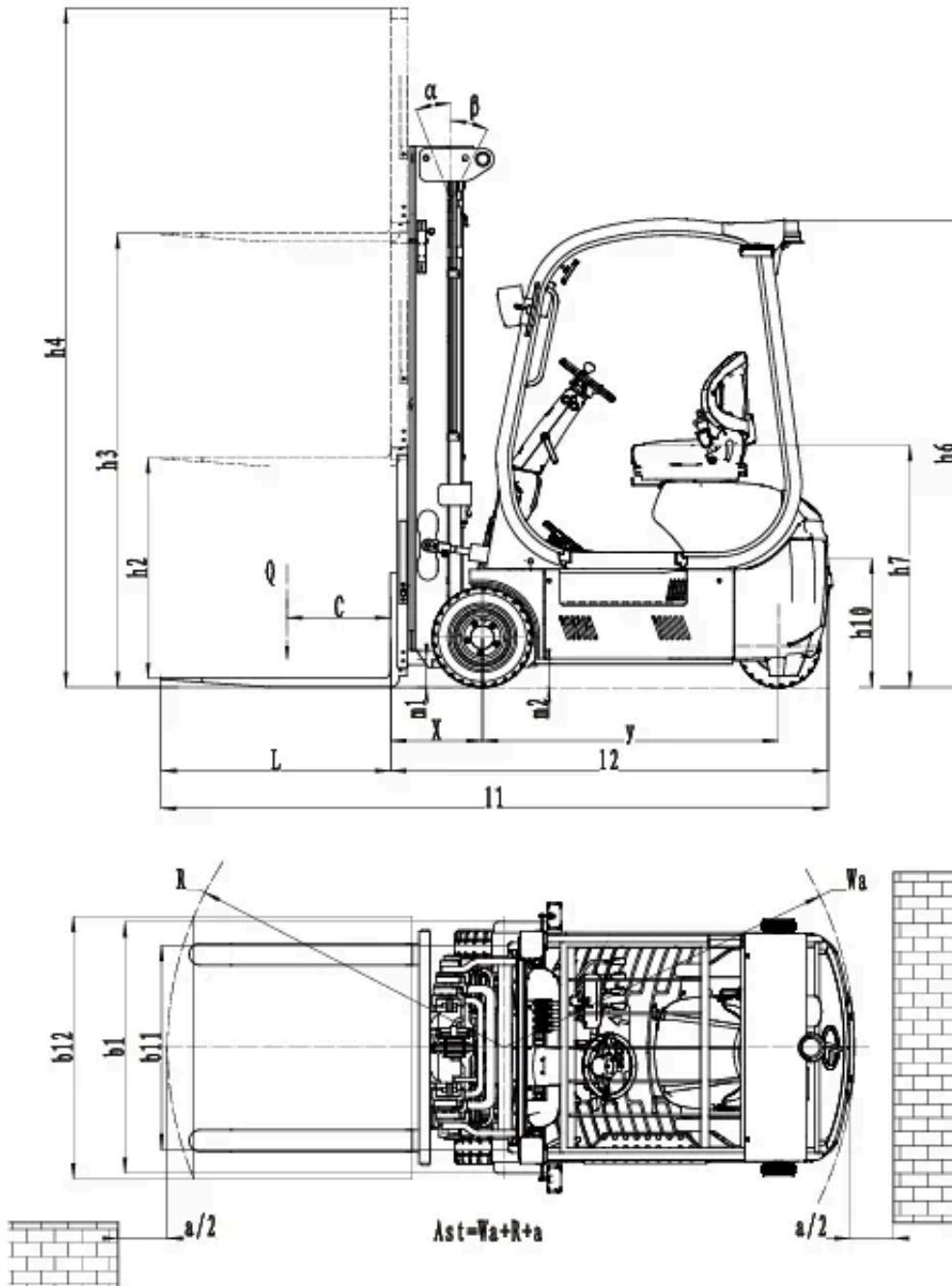
## VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			TDL201
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2000
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	420
1.9	Wheelbase		mm	1358
2.1	Service weight		kg	3575
2.2	Axle loading, laden front/rear		kg	4892/683
2.3	Axle loading, unladen front/rear		kg	1535/2040
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	200/50-10
3.3	Tyre size, rear		mm	140/55-9
3.5	Wheels, number front/rear (x=drive wheels)			2X/2
3.6	Tread width, front	b <sub>10</sub>	mm	936

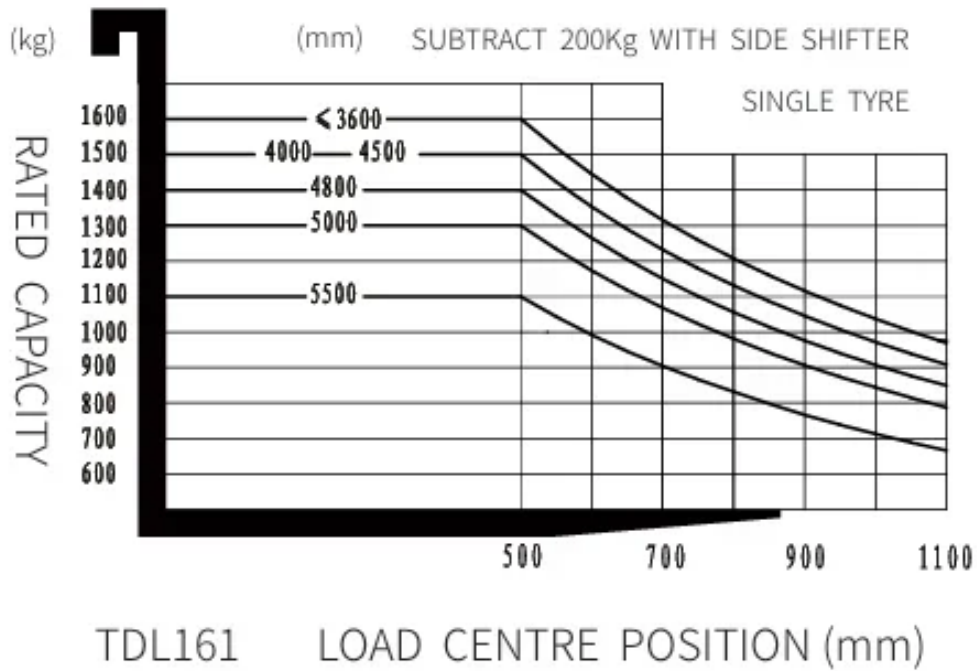
SPECIFICATION		REF	UNIT	VALUE
3.7	Tread width, rear	$b_{11}$	mm	210
4.0	Max lift height	H	mm	6000
4.1	Tilt of mast/fork carriage forward/backward		°	5/6
4.2	Height, mast lowered	$h_1$	mm	2075
4.3	Free lift		mm	100
4.4	Lift	$h_3$	mm	3000
4.5	Height, mast extended	$h_4$	mm	4058
4.7	Height of overhead guard (cabin)		mm	2140
4.8	Seat height relating to SIP/stand height		mm	1070
4.12	Coupling height		mm	560
4.19	Overall length		mm	3095
4.20	Length to face of forks	l2	mm	2025
4.21	Overall width	$b_1/b_2$	mm	1150
4.22	Fork dimensions	s/e/l	mm	40X122X1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.31	Ground clearance, laden, below mast		mm	86
4.32	Ground clearance, centre of wheelbase		mm	104
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	3348
4.34.2	Aisle width for pallets 800 × 1200 crossways		Ast	3485
4.35	Turning radius		Wa	1605
5.1	Travel speed, laden/unladen		km/h	15/16
5.2	Lift speed, laden/unladen		m/s	0.35/0.43
5.3	Lowering speed, laden/unladen		m/s	0.45/0.37
5.8	Max. gradeability, laden/unladen		%	15/17
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	5.4X2
6.2	Lift motor rating at S3 15%		kW	11
6.4	Battery nominal capacity K5		Ah	405
6.4	Battery voltage		V	48
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	207
6.6	Energy consumption according to DIN EN 16796		kWh/h	5.8 <sup>1)</sup>
6.7	Turnover output according to VDI 2198			120

SPECIFICATION	REF	UNIT	VALUE
6.8	Turnover efficiency according to VDI 2198		20.69
8.1	Type of drive unit		AC
10.5	Steering design		Hydraulic
10.7	Sound pressure level at the driver's seat	dB(A)	79
15.1	Charger output current	A	50

## VDI Drawing



## RATED CAPACITIES AND LOAD CENTERES GRAPH



## Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
2-Standard Mast	3000	2075	3740	4055	100	100
2-Standard Mast	3600	2375	4340	4655	100	100
2-Standard Mast	4000	2625	4740	5055	100	100
2-Free Mast	3000	2075	3740	4055	1365	1050
2-Free Mast	3300	2225	4040	4355	1515	1200
2-Free Mast	3600	2375	4340	4655	1665	1350
2-Free Mast	4000	2625	4840	5155	1915	1600
3-Free Mast	4000	1940	4740	5055	1230	915
3-Free Mast	4350	2090	5090	5405	1380	1065
3-Free Mast	4500	2140	5240	5555	1430	1115
3-Free Mast	4800	2240	5540	5855	1530	1215
3-Free Mast	5000	2305	5740	6055	1595	1280

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
3-Free Mast	5500	2475	6240	6555	1765	1450
3-Free Mast	6000	2690	6740	7055	1980	1665

## Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*40*1070   122*40*920   122*40*1150   122*40*1220   122*40*1370   122*40*1500   122*40*1600   122*40*1700   122*40*1820   122*40*1900   122*40*2000   122*40*2200
Fork carriage width option	1040mm   Yes and can be customized
Backrest height	1067   1220   1520   Yes and can be customized
Front wheel material	Solid   Non-marking solid
Rear wheel material	Solid   Non-marking solid
Battery capacity	360Ah   405Ah
Charger	48V-50A internal   48V-150A external
Battery display indicator (BDI)	With hourmeter
Seat type	Regular   Premium   Suspension   KL01 with armrest
Attachments	No   Built-in sideshifter   External shifter   Fork positioner
Traction pin	Yes and not customized
Electrostatic chain	Yes and not customized
Front lamp	LED
Rear lamp	No   LED
Warning lamp	Yes and not customized
Steering lamp	LED
Blue lamp	No   2 front   1 rear   2 front + 1 rear
Area warning lamp	No   Red, one on each side   Red, rear   Red, one on each side + one on the back"
Rearview mirror	1 rearview mirror   2 rearview mirrors
Buzzer	Yes and not customized
Fire extinguisher	No   Yes and not customized
OPS system	Yes and not customized
USB interface	No   Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
Electronic scale with printer	No   Yes and not customized
Telematics	No   Yes and not customized
Cabin	None   Basic half cabin   Upgrade half cabin   Full cabin
Proportional lift system	No   Yes and not customized
Heater	No   Yes and not customized