

TDL162

80V Dual-drive 3-Wheel Forklift Truck 1600kg



- Enhanced travel speed, lifting speed, gradeability and residual load capacity for productivity boost
- 80V dual-drive system ensuring powerful drive and excellent acceleration
- Standard 80V 280Ah lithium battery grants long endurance and opportunity charging
- Integrated charger and external plug for external charger available on the same truck to meet different needs
- Great ergonomic design with spacious legroom, wider visibility, better steering sensitivity and lower noise level
- Joystick hydraulic controls and full cabin options

Manufacturer			EP
Model designation			TDL162
Drive			Electric
Load capacity	Q	kg	1600
Load center distance	c	mm	500
Service weight			kg
Retracted mast height	h1	mm	1995
Lift height	h3	mm	3000
Height, mast extended	h4	mm	4058
Length to face of forks	l2	mm	2015
Overall width	b1/b2	mm	1050
Fork dimensions	s/e/l	mm	40×100×920
Turning radius	Wa	mm	1639
Travel speed, laden/unladen			km/h
Lifting speed, laden/unladen			m/s
Lowering speed, laden/unladen			m/s
Max. gradeability, laden/unladen			%
Drive motor rating S2 60 min			kW
Battery voltage/nominal capacity			V/Ah

FEATURES

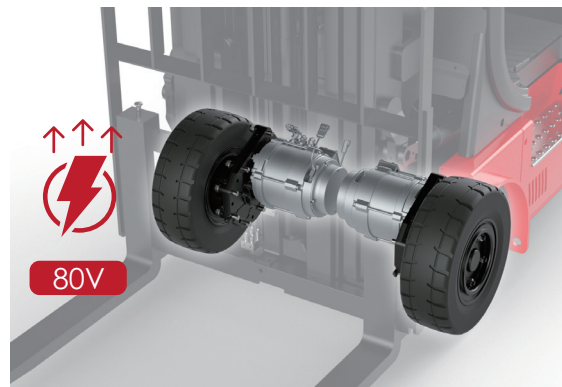
Outstanding performance for productivity boost

Thanks to the optimized structure and design, the TDL162 features significant increases in travel speed, lifting speed, lowering speed, residual load capacity and max gradeability, compared to its class. The forklift maintains the nominal capacity of 1600kg up to 4.5 meters elevation with triple-stage mast, demonstrating exceptional stability and performance. With these outstanding strengths, the TDL162 speeds up warehouse turnover and maximizes transport efficiency.



80V Li-ion dual-drive power system for high energy efficiency

The dual-drive power system of the TDL162 has been upgraded from 48V to 80V and the truck comes with 80V/280Ah Li-ion battery as standard, ensuring lower energy consumption a powerful drive and long endurance.



2 charging possibilities on the same truck

TDL162 comes standard with single phase integrated charger with plug and a plug for external charger. Thanks to this new feature TDL162 charging become extremely flexible and can meet all kind of application needs up to the multi-shift operation using the external fast charger.



FEATURES

Ergonomic design to improve driving comfort and convenience

The TDL162 is designed around ergonomic requirements: a large workspace, improved steering sensitivity, wider visibility, lower noise level and an informative LED display with performance selector switch, all of which provides the driver with an efficient, comfortable and safe operation experience.



Premium option to fulfill high-end needs

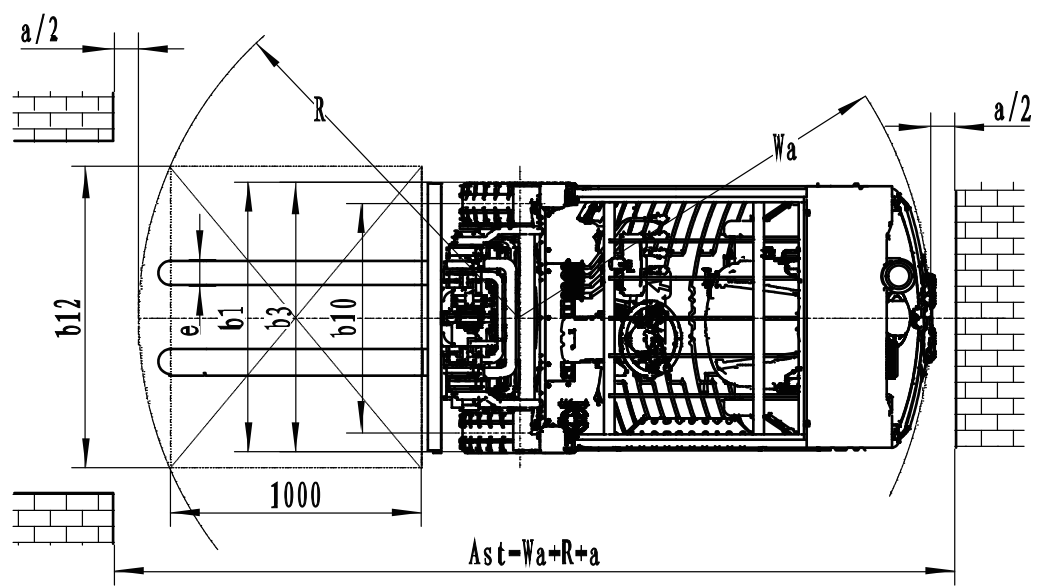
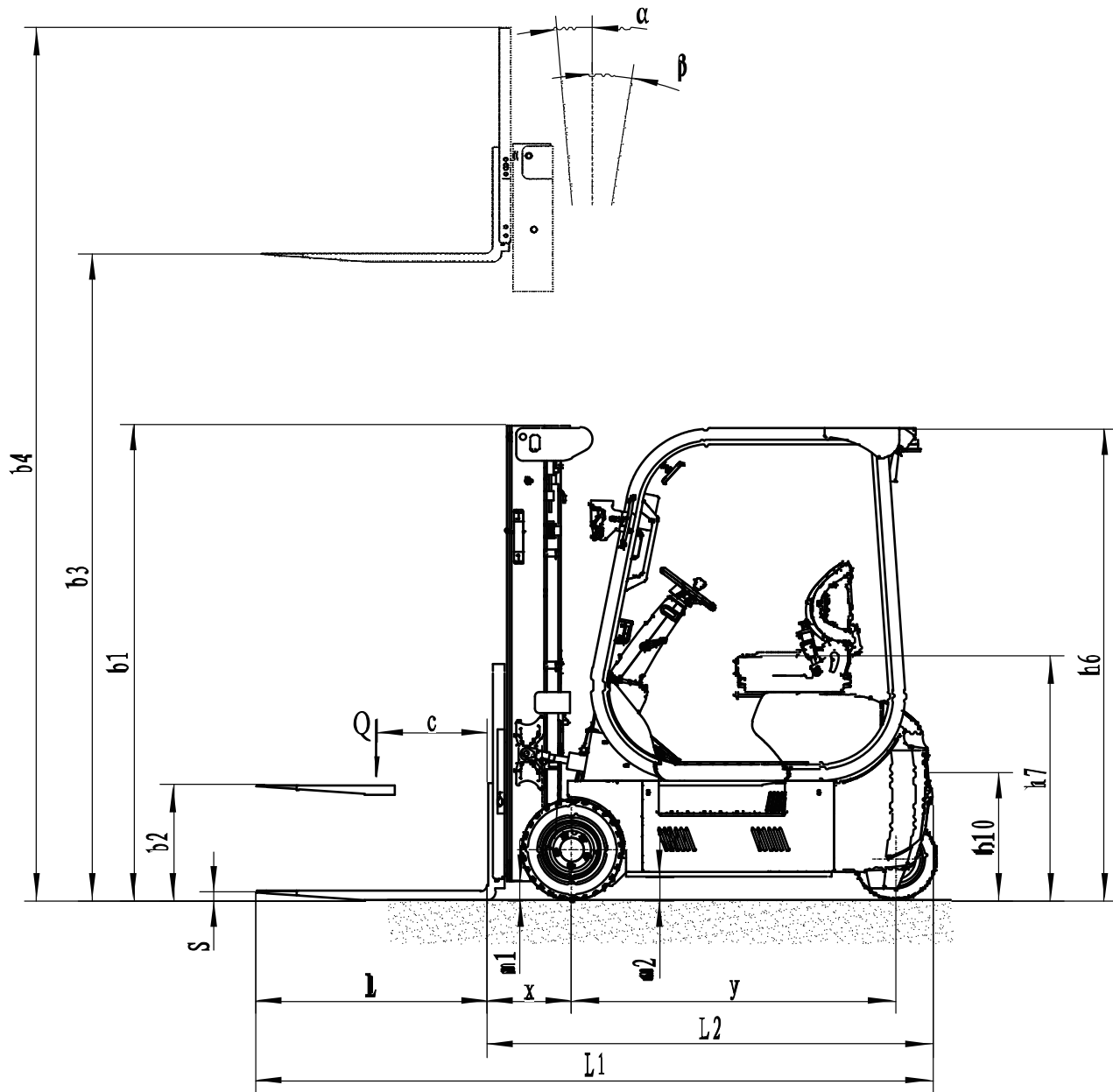
The TDL162 can be fitted with the joystick option positioned at the end of armrest to replace manual levers and it allows all controls to be performed in a palm-sized area without fatigue: all hydraulic functions, direction changes, horn, and emergency stop, all within a compact, ergonomic design. For operations in challenging weather, the all-weather cabin option extends the forklift's operation across various conditions, ensuring consistent productivity regardless of the environment.



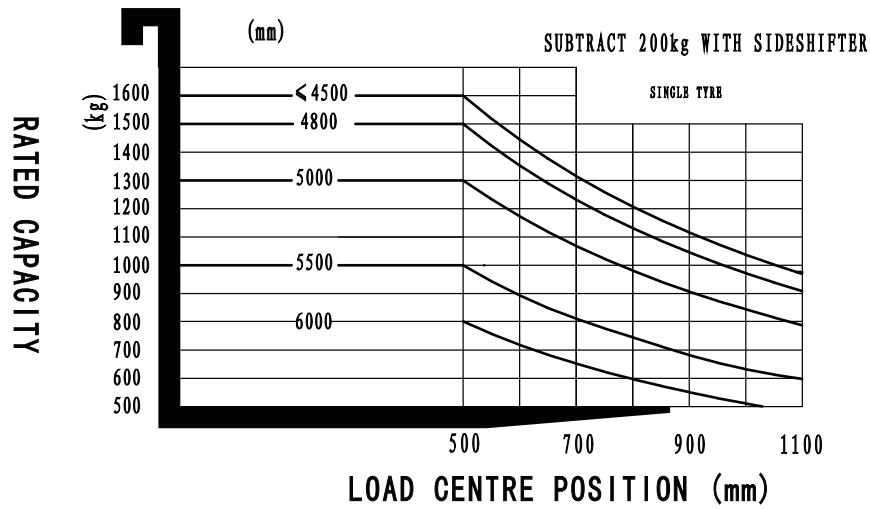
80V Dual-drive 3-Wheel Forklift Truck 1600kg TDL162

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			TDL162
	1.3	Drive			Electric
	1.4	Operator type			Seated
	1.5	Load capacity	Q	kg	1600
	1.6	Load center distance	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	375
	1.9	Wheelbase	y	mm	1470
	Service weight	2.1	Service weight		kg
2.2		Axle loading, laden front/rear		kg	4129/617
2.3		Axle loading, unladen front/rear		kg	1576/1570
Tyres/chassis	3.1	Tyre type			Solidrubber
	3.2	Tyre size, front			18x7-8
	3.3	Tyre size, rear			140/55-9
	3.5	Wheels, number front/rear (x=drive wheels)		mm	2X/2
	3.6	Tread width, front	b ₁₀	mm	910
	3.7	Tread width, rear	b ₁₁	mm	210
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	7/6
	4.2	Retracted mast height	h ₁	mm	1995
	4.3	Free lift	h ₂	mm	100
	4.4	Lift height	h ₃	mm	3000
	4.5	Height, mast extended	h ₄	mm	4058
	4.7	Height of overhead guard (cabin)	h ₆	mm	2140
	4.8	Seat height/standing height	h ₇	mm	1070
	4.12	Tow coupling height	h ₁₀	mm	580
	4.19	Overall length	l ₁	mm	2935
	4.20	Length to face of forks	l ₂	mm	2015
	4.21	Overall width	b ₁ /b ₂	mm	1050
	4.22	Fork dimensions	s×e×l	mm	40X100X920
	4.23	A,B Fork carriage class/type A, B			2A
	4.24	Fork carriage width	b ₃	mm	1040
	4.31	Ground clearance, laden, below mast	m ₁	mm	90
	4.32	Ground clearance, center of wheelbase	m ₂	mm	107
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3339
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	3464
4.35	Turning radius	Wa	mm	1639	
Performance data	5.1	Travel speed, laden/unladen		km/h	16/17
	5.2	Lifting speed, laden/unladen		m/s	0.5/0.52
	5.3	Lowering speed, laden/unladen		m/s	0.55/0.55
	5.8	Max. gradeability, laden/unladen		%	20/25
	5.10	Service brake			Electromagnetic
	5.11	Parking brake			Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	5.4X2
	6.2	Lift motor rating at S3 15%		kW	18
	6.4	Battery voltage/nominal capacity		V/Ah	80V/280Ah
	6.5	Battery weight		kg	220
	Addition data	8.1	Type of drive control		
10.5		Steering design			Hydraulic
10.7		Sound pressure level at the driver's ear		dB(A)	65
15.1		Charger output current		A	35

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Option:

Mast types	Lift height (h3)	Height, Mast			Height, Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No shelving	With shelving
	No shelving		With shelving	mm		
2-Standard Mast	3000	1985	3650	3965	100	100
	3600	2285	4250	4565	100	100
	4000	2365	4650	4965	100	100
3-Free Mast	4500	2050	5150	5465	1340	1025
	4800	2150	5450	5765	1440	1125
	5000	2215	5650	5965	1505	1190
	5500	2385	6150	6465	1675	1360
	6000	2600	6650	6965	1890	1575

Option:

Optional items	TDL162
Fork dimension	<ul style="list-style-type: none"> ●100*40*920 ○100*40*1070 ○100*40*1100 ○100*40*1150 ○100*40*1220 ○100*40*1370 ○100*40*1520 ○100*40*1800
Front wheel material	●Normal solid○Traceless solid
Rear wheel material	●Normal solid○Traceless solid
Battery capacity	●80V280AH
Charger	<ul style="list-style-type: none"> ●80V-35A internal ○80V-60A External ○80V100A External ○80V150A External
Battery display indicator (BDI)	●With hourmeter (Bluetooth) without PSE
Seat type	●Comfortable○Suspension○Suspension with armrests
Attachments	<ul style="list-style-type: none"> ● No ○ Built-in shifter ○ External shifter ○ Fork positioner with sideshift
Traction pin	● Yes and not customized
Electrostatic discharge chain	● Yes and not customized
Front lamp	●LED
Rear lamp	●No○LED
Warning lamp	● Yes and not customized
Turn signal light	●LED
Blue lamp	●No○Front○Rear○Front and rear
Area warning lamp	●No○Both side○Both side and rear
Rearview mirror	●One in front○Two on side and one in front
Buzzer	●Yes and not customized
OPS system	●Yes and not customized
USB interface	●No○Yes and not customized
Telematics	●Yes and not customized
Speed reduction for elevated mast- Australianstandard	●No○Yes and not customized(only for Australia standard)
Turn speed control	●Yes and not customized
Heating system for lithium battery charging	● No○ Yes and not customized
Operator identification device	●No○Swipe card device○Fingerprint lock
Lifting electronic limit	●Yes and not customized
Hydraulic control	●Mechanical lever○Joystick○Fingertip
Rear armrest horn	● Yes and not customized
Cabin	●No○Basic half cabin○Upgrade half cabin○Full cabin
Tejadillo protector de cabina	● Yes and not customized
Note:	●Standard ○ Optional - Inconformity