



COMPACT AND ECONOMICAL ELECTRIC PALLET TRUCK WITH FOLDING PLATFORM & POWER STEERING

2.0 tonnes

NO COMPROMISE ON QUALITY

While our ECONOMY warehouse products have an affordable price, that doesn't mean you need to compromise on quality or performance. They are designed to be robust and durable and give many years of service with minimal maintenance requirements.

Fast, simple and powerful, but safe and easy-to-use for all your horizontal pallet transport needs in a wide range of Light and Medium Duty applications. Creep speed button ensures high maneuverability in confined areas when operating at low speeds with the tiller in the upright position.

The standard EPS Power Steering makes the truck highly maneuverable while Curve control 'Corner control' system reduces speed automatically when cornering.

Safe, Reliable and Economical!

SPECIFICATIONS

TPD20ER



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Li-ion
OPTIONAL

FEATURES

- 2.000 kg load capacity
- Electric Power Steering (EPS)
- Low Maintenance AC Drive Motor
- Lead-Acid Battery 210Ah (li-ion optional)
- Battery level indicator and operating hours meter (BDI)
- Zapi Controller
- Side Battery Extraction
- Ergonomic and durable Curtis tiller-handle for maximum operator comfort
- External charger
- Key switch
- Compact design



DURABLE STEERING SYSTEM

A direct-drive steering system employing gear wheels rather than belt and pulley means minimal maintenance and reliable operation.



EASY TO ADJUST FORK LEVERAGE

The strong forks, constructed from heavy-gauge steel are easy to adjust via conveniently located bolts.



AC

EPS



OPTIMAL TRACTION

The internal suspension system design ensures that the drive wheel is under an even load regardless of operating conditions, providing optimal traction.

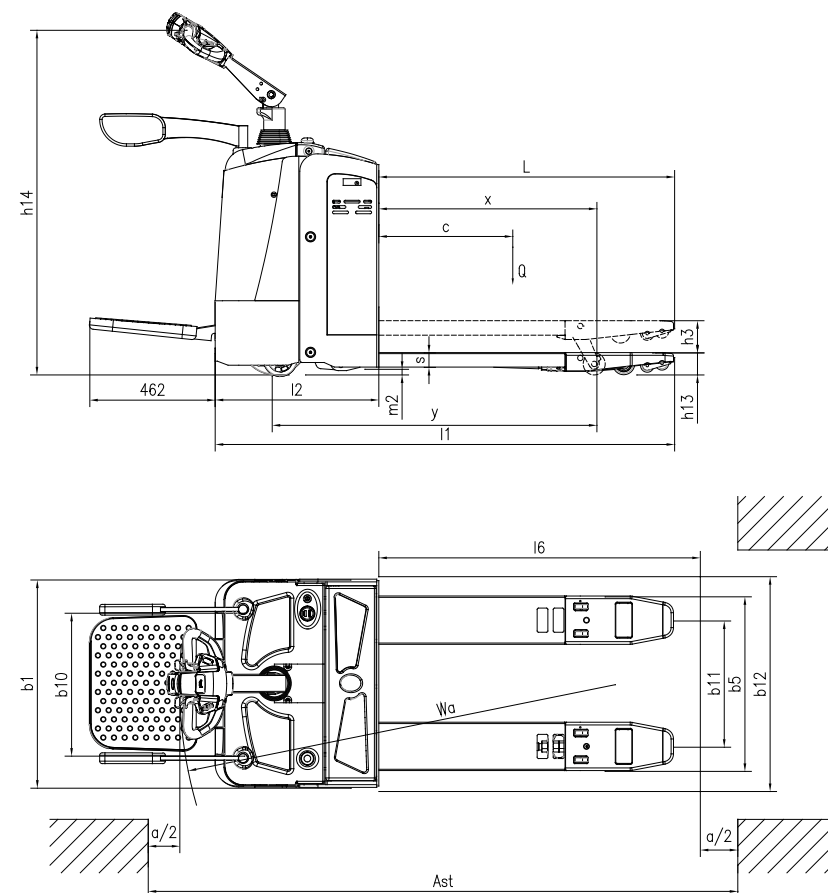
CHARACTERISTICS				
1.1	Manufacturer			Towmotor
1.2	Manufacturer's model designation			TPD20ER
1.3	Power source: (battery, diesel, LP gas, petrol)			Electric (battery)
1.4	Operator type: pedestrian,(operator)-standing, -seated			Pedestrian
1.5	Load capacity	Q	(kg)	2000
1.6	Load center distance	c	(mm)	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	815/865/1331
1.9	Wheelbase	y	(mm)	1211/1261/1331
WEIGHT				
2.1	Truck weight with load, with maximum battery weight		kg	710
2.2	Axle loadings with nominal load & maximum battery weight, drive/load side		kg	1300/1410
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	600/110
WHEELS, DRIVE TRAIN				
3.1	Tyres: PT=PowerThane, Vul=Vulkollan, drive/load side			PU/PU
3.2	Tyre dimensions, drive side		(mm)	250X70
3.3	Tyre dimensions, load side		(mm)	82X126
3.4	Castor wheel dimensions (diameter x width)		(mm)	127X57
3.5	Number of wheels, load/drive side (x=driven)		(mm)	1X+2/2 (4)
3.6	Track width (center of tyres), drive side	b10	(mm)	490
3.7	Track width (center of tyres), load side	b11	(mm)	340/370/470/505
DIMENSIONS				
4.6	Lift height	h5	(mm)	120
4.15	Fork height, fully lowered	h13	(mm)	82
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)	1150/1430
4.19	Overall length	l1	(mm)	1710/1760/1830
4.20	Length to fork face	l2	(mm)	610
4.21	Overall width	b1	(mm)	775
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	54X180X1100(1150/1220)
4.25	Overall width of forks	b5	(mm)	520/550/650/685
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	28
4.33	Working aisle width (Ast) with 1000 x1200 mm pallets, load crosswise, platform up/down	Ast	(mm)	1910/1960/2030
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise, platform up/down	Ast	(mm)	2010/2010/2030
4.35	Turning radius	Wa	(mm)	1550/1600/1670
PERFORMANCE				
5.1	Travel speed, with/without load		km/h	6.7/7.1
5.2	Lifting speed, with/without load		m/s	0.039/0.056
5.3	Lowering speed, with/without load		m/s	0.064/0.050
5.8	Gradeability, with/without load		%	6/12
5.10	Service brake			ELECTRO MAGNETIC
ELECTRIC MOTORS				
6.1	Drive motor capacity (60 min. short duty)		kW	1.2
6.2	Lift motor output at 15% duty factor		kW	1.2
6.4	Battery voltage/capacity at 5-hour discharge		V /Ah	24/210
6.5	Battery weight		kg	170
	Battery dimension (LXWXH)		(mm)	750X170X534
MISCELLANEOUS				
8.4	Level of noise at the ear level of the driver according to EN 12053		dB(A)	70

Ast = $Wa - x + l6 + 200$
 Ast = Working aisle width
 Wa = Turning radius
 a = Safety clearance = 2×100 mm
 $R = \sqrt{(l6 + x)^2 + (b12 / 2)^2}$
 l6 = Pallet length (800 or 1000 mm)
 b12 = Pallet width (1200 mm)

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While high quality is paramount to Towmotor, we also maintain a trusted and reliable network of skilled professionals providing support to owners of Towmotor equipment. You will benefit not only from equipment that will provide years of trouble free service, but also gain the support of a team of experts who will be there should you ever need them. We call it "Towmotor peace of mind."

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Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment.
Trucks may be shown with non-standard options.
Specific performance requirements and locally available configurations should be discussed with your distributor.
We follow a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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