ELECTRIC PALLET TRUCK WITH FOLDING PLATFORM & POWER STEERING

MPB20ER

2.0 tonnes

COMFORTABLE & EFFECTIVE

i-ion OPTIONAL

AC EPS

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. The standard 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 its Curve control 'Corner control' system reduces speed automatically when cornering for safe and stable operation.

KEY FEATURES

- **2.000 kg load capacity**
- **Electric Power Steering (EPS)**
- **Low maintenance AC drive motor**
- **Low maintenance gel battery 210Ah**
- **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**
- **Belly switch on tiller head**
- **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-guage steel are easy to adjust via conveniently located bolts.

OPTIMAL TRACTION

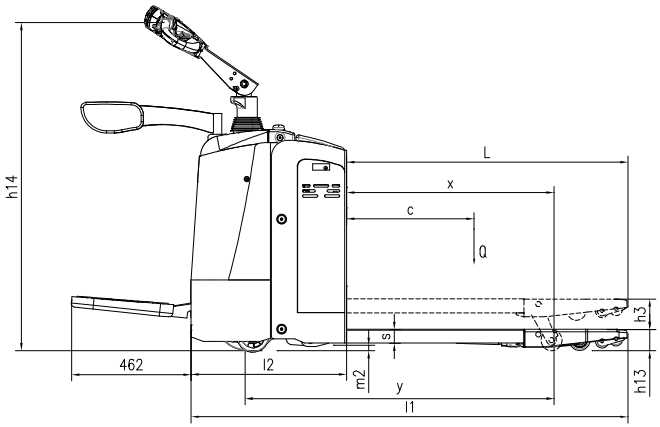
The internal suspension system design ensures that the drive wheel is under an even load regardless of operating conditions, providing optimal traction.

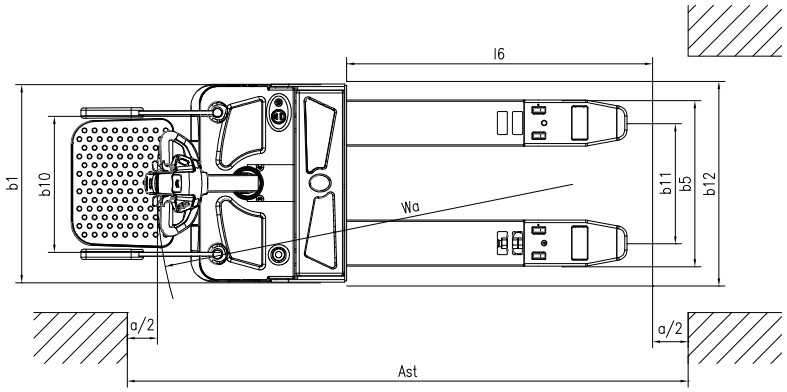
VDI - PERFORMANCE & DIMENSIONS

	CHARACTERISTICS			
1.1	Manufacturer			L'M
1.2	Manufacturer's model designation			MPB20ER
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)	914/964/1034
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(98)
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)	537
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)	1050/1450
4.19	Overall length	l1	(mm)	1710/1760/1830
4.2	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)	2360/2405/2475
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise, platform up/down	Ast	(mm)	2245/2270/2305
4.35	Turning radius	Wa	(mm)	1550/1600/1670
	PERFORMANCE			
5.1	Travel speed, with/without load		km/h	7/7.1
5.2	Lifting speed, with/without load		m/s	0.025/0.035
5.3	Lowering speed, with/without load		m/s	0.035/0.030
5.8	Gradeability, with/without load		%	8/20
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	0.8
6.4	Battery voltage/capacity at 5-hour discharge		V /Ah	24/210
6.5	Battery weight		kg	195
	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

Continuing improvement may lead to changes in these specifications

CE





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