

## PEDESTRIAN ELECTRIC PALLET TRUCK

**MPB18E**

1.8 tonnes

# NO COMPROMISE ON QUALITY



While our 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

For ease of use, the ergonomic tiller arm with its fingertip controls can be used in an upright position for really tight spaces in a wide range of applications. This helps make it the ideal warehouse assistant in light duty applications.

### KEY FEATURES

- 1,800 kg load capacity
- Low maintenance AC drive motor
- Low maintenance gel battery 160Ah
- Battery level indicator and operating hours meter (BDI)
- Side battery extraction
- Curtis controller
- Ergonomic and durable Curtis tiller-handle for maximum operator comfort
- External charger
- Compact design



### EASY TO ADJUST FORK LEVERAGE

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



### OPTIMAL TRACTION

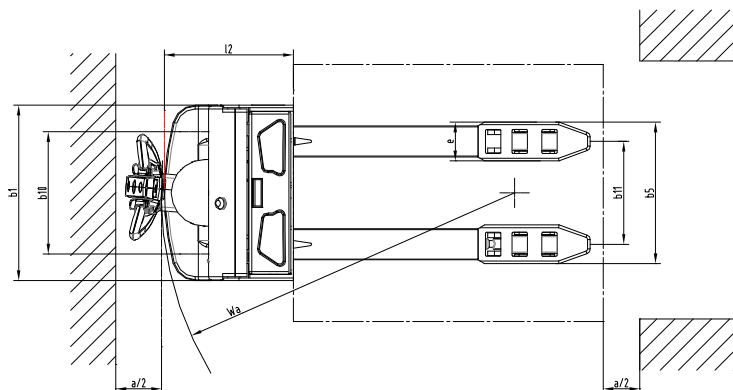
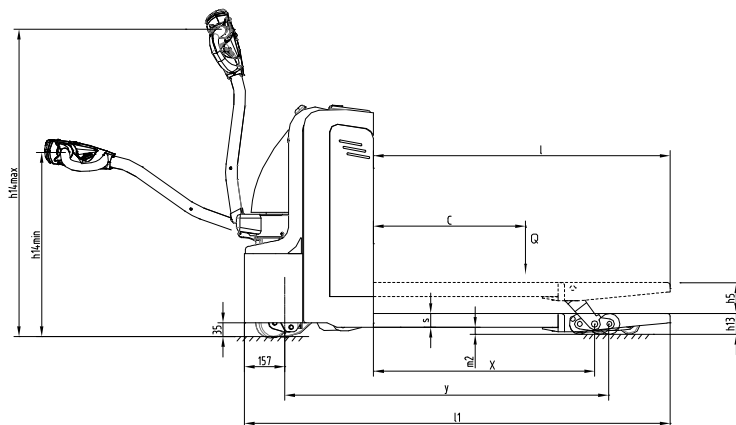
The internal suspension system design ensures that the drive wheel is under an even load regardless of operating conditions, providing optimal traction.

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## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				
1.1	Manufacturer			L'M
1.2	Manufacturer's model designation			MPB18E
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)	1800
1.6	Load center distance	c	(mm)	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	934
1.9	Wheelbase	y	(mm)	1277
WEIGHT				
2.1	Truck weight with load, with maximum battery weight		kg	520
2.2	Axle loadings with nominal load & maximum battery weight, drive/load side		kg	720/1600
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	420/100
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)	82X98/80X70
3.4	Castor wheel dimensions (diameter x width)		(mm)	114X60
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)	476
3.7	Track width (center of tyres), load side	b11	(mm)	400/532
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)	780/1230
4.19	Overall length	l1	(mm)	1601/1651/1721
4.2	Length to fork face	l2	(mm)	500
4.21	Overall width	b1	(mm)	682
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	54X150X1150
4.25	Overall width of forks	b5	(mm)	520/550/685
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)	2195/2237/2304
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise, platform up/down	Ast	(mm)	2093/2114/2149
4.35	Turning radius	Wa	(mm)	1384/1434/1504
PERFORMANCE				
5.1	Travel speed, with/without load		km/h	6/6
5.2	Lifting speed, with/without load		m/s	0.06/0.11
5.3	Lowering speed, with/without load		m/s	0.12/0.13
5.8	Gradeability, with/without load		%	8/20
5.1	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	24/160
6.5	Battery weight		kg	170
	Battery dimension (LXWXH)		(mm)	645X148X560
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



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