



**M15LE**  
**MPBL15E**  
**MPB15E**  
**MPB18E**  
**MPB20ER**  
**MSB12EM**  
**MSB12ES**  
**MOPB3E**  
**MT30E, MT60E**

**PEDESTRIAN ELECTRIC HAND PALLET TRUCKS**  
**PEDESTRIAN ELECTRIC HAND PALLET TRUCKS**  
**PEDESTRIAN ELECTRIC PALLET TRUCKS**  
**PEDESTRIAN POWERED PALLET TRUCKS**  
**PLATFORM POWERED PALLET TRUCKS**  
**PEDESTRIAN MONO MAST STACKERS**  
**PEDESTRIAN TELESCOPIC MAST STACKERS**  
**MINI ORDER PICKER**  
**ELECTRIC TOW TRUCK**



## PEDESTRIAN ELECTRIC HAND PALLET TRUCKS PAGES 4 TO 13



## PEDESTRIAN & PLATFORM ELECTRIC PALLET TRUCKS PAGES 14 TO 17



## COMPACT PEDESTRIAN STACKERS PAGES 18 TO 19



## MINI ORDER PICKER PAGES 20 TO 21



## ELECTRIC TOW TRUCK PAGES 22 TO 23





## L'M – THE ECONOMICAL SOLUTION

If you need to get goods in your warehouse transported from one location to another efficiently then the L'M range will satisfy that need... For a low cost and on time.

The L'M range of affordable forklift trucks delivers reliable and cost-effective materials handling solutions for incidental to medium applications across many industries, particularly where users require functionality rather than fancy looks.

## L'M: SIMPLE TO USE, EASY TO MAINTAIN AND AFFORDABLE TO RUN

Available exclusively from your local MLE Forklift Trucks dealership, L'M products are backed up by the experience and expertise of a world-leading support team.

That means rapid-response maintenance and repairs, comprehensive parts supply, and a full range of rental options and finance solutions.

This brings peace of mind that support will be available whenever required.

Already available in over 60 countries across Europe, the Middle East and Africa, from over 150 separate dealer sales and service locations, the L'M range of trucks is ideal for lighter duty operations, delivering a no-nonsense, uncomplicated approach to materials handling.

These trucks are being used to support the handling requirements of businesses in a range of different industries, including Agriculture, Storage & Distribution, Wholesale & Trading, Automotive, Building & Construction, Engineering & Manufacturing, Food & Beverage and Forest Products, representing the “backbone” of many countries' economies.

CONTENTS	PAGE
<b>M15LE</b> PEDESTRIAN ELECTRIC HAND PALLET TRUCK, 1.5T	4
<b>MPBL15E</b> PEDESTRIAN ELECTRIC HAND PALLET TRUCK, 1.5T	6
<b>MPB15E</b> PEDESTRIAN ELECTRIC PALLET TRUCK, 1.5T	10
<b>MPB18E</b> PEDESTRIAN ELECTRIC PALLET TRUCK, 1.8T	12
<b>MPB20ER</b> PLATFORM ELECTRIC PALLET TRUCK, 2.0T	14
<b>MSB12EM</b> COMPACT PEDESTRIAN STACKERS, 1.2T, 1.6M - 1.95M	16
<b>MSB12ES</b> COMPACT PEDESTRIAN STACKERS, 1.2T, 1.6M - 2.5M - 3.0M	18
<b>MOPB3E</b> MINI ORDER PICKER	20
<b>MT30E, MT60E</b> ELECTRIC TOW TRUCK	22



## PEDESTRIAN ELECTRIC HAND PALLET TRUCK, 24V LI-ION

**M15LE**

1.5 tonnes



# HIGH PERFORMANCE IN AN AFFORDABLE PACKAGE



Our affordable M15LE electric hand pallet truck provides the performance of a conventional powered pallet truck in a durable package. It's the perfect upgrade from a traditional hand pallet truck, removing the effort of pushing and pulling. Combining efficiency with productivity, it will provide many years of service.

The M15LE is ideally suited to light material handling applications - particularly those found in retail - for example in small supermarkets, pharmacies, health care centres and many others.

The motor and drive wheel have been coupled with a robust and proven manual hand pallet frame design. It is built to last, is comfortable to use and also offers practicality. The **lithium-ion battery** can be easily exchanged but also allows operators to 'opportunity charge'. This gives the added convenience of being able to charge anytime, anywhere without removing the battery.

### KEY FEATURES

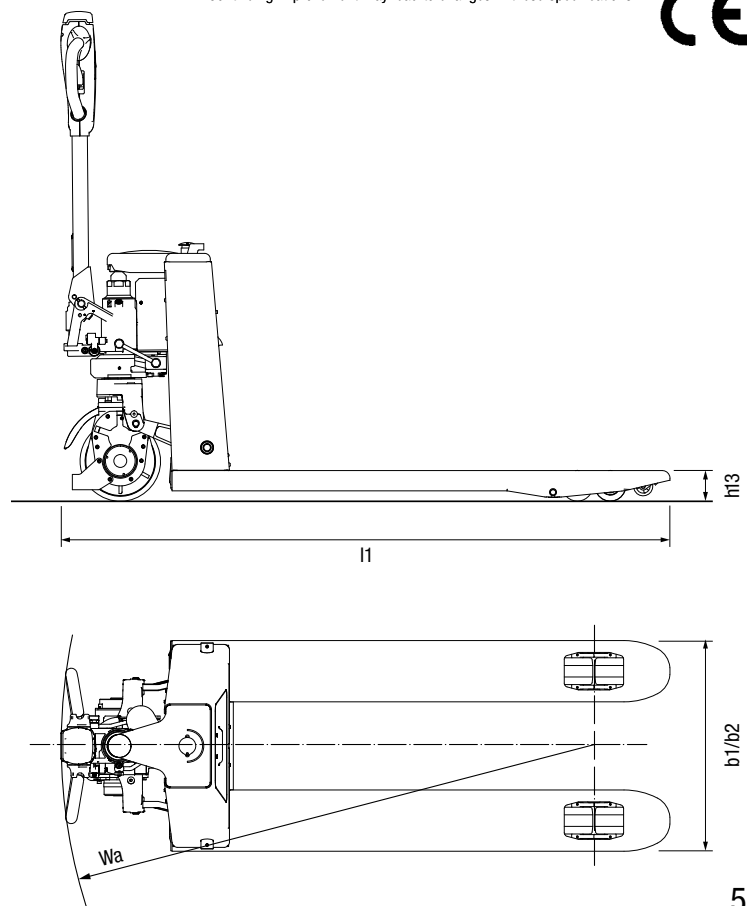
- 1,500 kg load capacity
- Comfortable handle with easy-to-reach controls
- Key switch and emergency stop button
- Robust, tried and tested hand pallet truck frame design
- Can be specified with single or double fork wheels
- Powered by 24V, 20Ah Li-ion battery
- Battery can be charged externally from the truck or in situ
- Horizontally mounted motor allows for easier maintenance



# PEDESTRIAN ELECTRIC HAND PALLET TRUCK, 24V LI-ION **M15LE** 1.5 tonnes

CHARACTERISTICS									
1.1	Manufacturer (abbreviation)		L'M	L'M	L'M	L'M	L'M	L'M	L'M
1.2	Manufacturer's model designation		M15LEWPTP	M15LEIPT	M15LEMPPT	M15LEHPTP	M15LEKPTP	M15LEJPTP	M15LEMPSP
1.3	Power source: (battery, diesel, LP gas, petrol)		550 X 1000	685 X 1000	550 X 1150	685 X 1150	550 X 1220	685 X 1220	550 X 1150
1.4	Operator type: pedestrian, operator standing, operator seated		Battery	Battery	Battery	Battery	Battery	Battery	Battery
1.5	Load capacity	Q (kg)	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian
1.6	Load center distance	c (mm)	1500	1500	1500	1500	1500	1500	1500
1.8	Load wheels axle to fork face (forks lowered)	x (mm)	600	600	600	600	600	600	600
1.9	Wheelbase	Y (mm)	801	801	951	951	1021	1021	951
			1086	1086	1236	1236	1306	1306	1236
WEIGHT									
2.1	Truck weight with load, with maximum battery weight	kg	109	111	111	113	112	114	110
2.2	Axle load with nominal load & maximum battery weight, drive load/side	kg	405/1024	406/1205	407/1204	408/1205	408/1204	410/1204	407/1203
2.3	Axle load without nominal load & with maximum battery weight, drive load/side	kg	80/29	81/30	82/29	83/30	83/29	85/29	82/28
WHEELS, DRIVE TRAIN									
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, P=Polyurethane, N=Nylon, R=Rubber drive/load side		P	P	P	P	P	P	P
3.2	Tyre dimensions, drive side	(mm)	210	210	210	210	210	210	210
3.3	Tyre dimensions, load side	(mm)	80	80	80	80	80	80	80
3.5	Number of wheels, load/drive side (x=driven)		1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/2
DIMENSIONS									
4.4	Lift height	h <sub>3</sub> (mm)	110	110	110	110	110	110	110
4.5	Fork height, fully lowered	h <sub>13</sub> (mm)	80	80	80	80	80	80	80
4.9	Height of tiller arm / steering console (min./max.)	h <sub>14</sub> (mm)	635/1200	635/1200	635/1200	635/1200	635/1200	635/1200	635/1200
4.19	Overall length	l <sub>1</sub> (mm)	1430	1430	1580	1580	1650	1650	1580
4.20	Length to fork face	l <sub>2</sub> (mm)	430	430	430	430	430	430	430
4.21	Overall width	b <sub>1</sub> (mm)	550	685	550	685	550	685	550
4.22	Fork dimensions (thickness, width, length)	s/e/l (mm)	53/160/1000	53/160/1000	53/160/1150	53/160/1150	53/160/1220	53/160/1220	53/160/1150
4.25	Overall width of forks	b <sub>5</sub> (mm)	550	685	550	685	550	685	550
4.32	Ground clearance at center of wheelbase, (forks lowered)	m <sub>2</sub> (mm)	27	27	27	27	27	27	27
4.33	Working aisle width (Ast) with 1000 x1200 mm pallets, load crosswise, platform up/down	A <sub>st</sub> (mm)	2062	2062	2180	2180	2250	2250	2180
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise, platform up/down	A <sub>st</sub> (mm)	1995	1995	2050	2050	2085	2085	2050
4.35	Turning radius	W <sub>1</sub> (mm)	1230	1230	1380	13880	1450	1450	1380
PERFORMANCE									
5.1	Travel speed, with/without load	km/h	4.3/4.5	4.3/4.5	4.3/4.5	4.3/4.5	4.3/4.5	4.3/4.5	4.3/4.5
5.2	Lifting speed, with/without load	m/s	16/20	16/20	16/20	16/20	16/20	16/20	16/20
5.3	Lowering speed, with/without load	m/s	Manual	Manual	Manual	Manual	Manual	Manual	Manual
5.8	Gradeability, with/without load	%	5/20	5/20	5/20	5/20	5/20	5/20	5/20
5.10	Service brake		Electric	Electric	Electric	Electric	Electric	Electric	Electric
ELECTRIC MOTORS									
6.1	Drive motor capacity (60 min. short duty)	kW	0.75	0.75	0.75	0.75	0.75	0.75	0.75
6.2	Lift motor output at 15% duty factor	kW	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6.4	Battery voltage/capacity at 5-hour discharge	V/Ah	24/20	24/20	24/20	24/20	24/20	24/20	24/20
6.5	Battery weight	kg	5.5	5.5	5.5	5.5	5.5	5.5	5.5
MISCELLANEOUS									
8.4	Level of noise at the ear level of the driver according to EN 12053	dB(A)	70	70	70	70	70	70	70

Continuing improvement may lead to changes in these specifications



# PEDESTRIAN ELECTRIC HAND PALLET TRUCK, 48V LI-ION

## MPBL15E

1.5 tonnes



# SIMPLE YET EFFECTIVE... A GREAT ALL-ROUNDER



Our MPBL electric pedestrian pallet trucks make moving products efficient and convenient. They feature a 48-volt Lithium-Ion power source, which helps make them the perfect choice for short- and mid-distance runs. The MPBL combines smart engineering with versatility making it the multi-use and user-friendly solution for nearly any application.

**With its compact design, low service weight and small turning radius, the MPBL series is ideal for use in confined spaces, including: retail stores, trailers, containers and small warehouses.**

The MPBL series of 1.5 tonne electric pedestrian pallet trucks feature electrical driving and lifting functions, as well as a manual lowering.

The exchangeable, maintenance-free, high-capacity **48V Lithium-Ion battery** provides up to six hours of productive use. The truck is supplied with an external charging dock - allowing you to charge an extra battery in just 3 hours, while the truck is still in use.

### FRAME AND BODY

- **High quality, stable construction** gives a stable and durable platform.
- **Compact, lightweight, high-performing body design** provides exceptional maneuverability in tight areas.
- **Integrated rocker arm** is cast in one piece from solid steel to ensure maximum strength and reliability.

### DRIVE

- **Maintenance free brushless (AC) wheel hub motor** with no wearable components like carbon brushes or contactors to replace over time offer long-lasting operation and low maintenance.
- **Patented low noise gearless hub motor design** allows tight integration into wheel hubs, thus eliminating the need for gears.

### FORKS

- **Tapered fork tips and tandem PU rollers with fork tip rollers** for easy pallet entry and exit.
- **Reinforced chassis and forks with tapered ends** offers easy pallet entry.

### BRAKES

- **Regenerative Brake System, incorporated into motor assembly, with electromagnetic (parking) brake**, improves the braking performance and working life of the electromagnetic brake.
- **Parking brake** automatically stops on gradients and ramps.
- **Kinetic energy from the regenerative brake system** charges the battery.

### ELECTRICAL AND CONTROL SYSTEMS

- **48V/20Ah high capacity Lithium-Ion battery** lasts longer and is more powerful.
- **Li-Ion battery with no leaking hazardous battery gases and acids** does not require watering and provides maintenance-free operation.
- **External charger** makes it possible to charge the battery onboard.
- **External charging** allows charging of an extra battery while using the truck with only 3 hours charging time.
- **Battery interchangeability** means that batteries can be used across all MPBL models - regardless of capacity.

### OPERATOR ENVIRONMENT AND CONTROLS

- **Ergonomic spring-loaded steering handle** with comfort grip for reduced operator fatigue.
- **Long tiller with large ergonomic handgrip** provides a comfortable hold and strain-free operation.
- **BDI, Battery charge-Discharge Indicator with hour meter** keeps operator informed of status.
- **Side castors** give improved stability.

### OTHER FEATURES

- **Easy maintenance with no expensive handheld required**, only a laptop, software and a cable.
- **Polyurethane wheels and rollers** for smooth and quiet running and additional grip.
- **1.5 tonne capacity** ensures the MPBL Series suits a wide range of applications.



1

## KEY FEATURES

- # 1 Compact design
- # 2 Quick-charging battery
- # 3 High-productivity tiller
- # 4 Maintenance-free battery
- # 5 Easy-entry forks
- # 6 Choice of load capacities
- # 7 Integrated Rocker Arm
- # 8 Universal battery exchange
- # 9 Digital battery discharge + hour meter



2



The MPBL's 48V lithium ion power source charges in just 3 hours and offers up to 6 hours of use, or 3 hours (approximately) when used continuously.

3



Turtle / Creep mode switch, for safe and easy maneuverability with the tiller-arm in upright position.  
**Reminder:** The ergonomic handle allows full command of the truck's functionality, with the operator's hands in a natural vertical position. With the tiller arm in fully upright, the truck can be operated in the most restricted space for maximum manoeuvrability.

4



MPBL's 48V/20Ah high-capacity Li battery requires no watering and is easy to remove and exchange for fast changeovers.

5



Reinforced fork structure with tapered ends for easy pallet entry

8

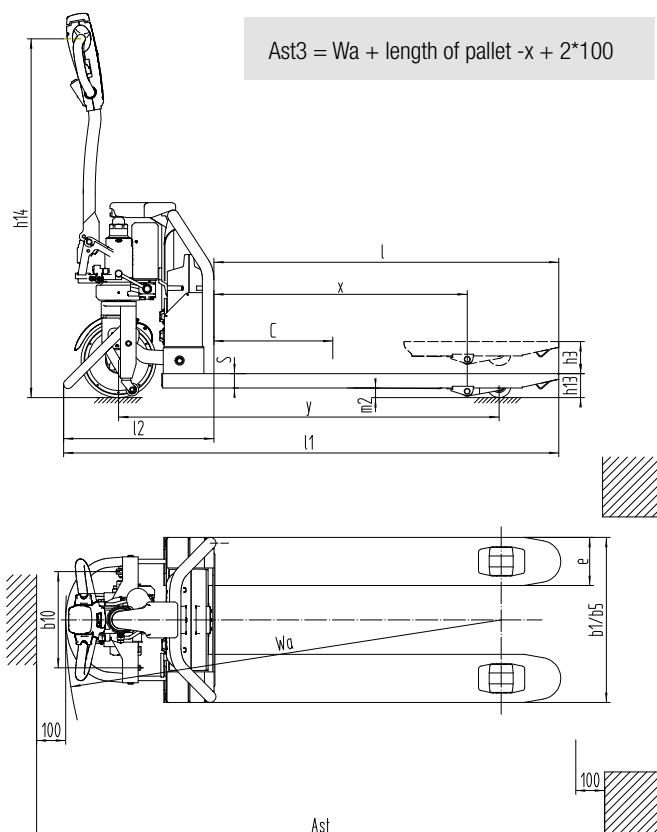


Batteries can be exchanged easily for maximum productivity.

# PEDESTRIAN ELECTRIC HAND PALLET TRUCK, 48V LI-ION **MPBL15E** 1.5 tonnes

## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS						
1.1	Manufacturer (abbreviation)		L'M	L'M	L'M	L'M
1.2	Manufacturer's model designation		MPBL15EWPTP	MPBL15EIPTP	MPBL15EMPTP	MPBL15EMPSP
1.3	Power source: (battery, diesel, LP gas, petrol)		550 X 1000	680 X 1000	550 X 1150	550 X 1150
1.4	Operator type: pedestrian, operator standing, operator seated		Battery	Battery	Battery	Battery
1.5	Load capacity	Q (kg)	Pedestrian	Pedestrian	Pedestrian	Pedestrian
1.6	Load center distance	c (mm)	1500	1500	1500	1500
1.8	Load wheels axle to fork face (forks lowered)	x (mm)	600	600	600	600
1.9	Wheelbase	y (mm)	802	802	952	952
			1119	1119	1269	1269
WEIGHT						
2.1	Truck weight without nominal load	kg	130	132	131	133
2.2	Axle load with nominal load & maximum battery weight, drive load/side	kg	560/1070	563/1069	563/1068	564/1069
2.3	Axle load without nominal load & with maximum battery weight, drive load/side	kg	97/33	100/32	99/32	101/32
WHEELS, DRIVE TRAIN						
3.1	Wheel type: P=Polyurethane, N=Nylon, R=Rubber		P	P	P	P
3.2	Wheel dimension, drive side	(mm)	210	210	210	210
3.3	Wheel dimension, load side	(mm)	80	80	80	80
3.5	Number of wheels, drive/load side (x=driven)		1x+2/4	1x+2/4	1x+2/4	1x+2/2
DIMENSIONS						
4.4	Lift height	h3 (mm)	110	110	110	110
4.9	Height of tiller arm / steering console (min. / max.)	h14 (mm)	635/1200	635 / 1200	635 / 1200	635 / 1200
4.15	Fork height fully lowered	h13 (mm)	80	80	80	80
4.19	Overall length	l1 (mm)	1473	1473	1623	1623
4.20	Length to fork face	l2 (mm)	473	473	473	473
4.21	Overall width	b1/b2 (mm)	550	685	550	685
4.22	Fork dimensions (thickness, width and length)	s / e / l (mm)	45 / 160 / 1000	45 / 160 / 1000	45 / 160 / 1150	45 / 160 / 1150
4.25	Outside width over forks (minimum / maximum)	b5 (mm)	550	685	550	685
4.32	Ground clearance at centre of wheelbase (forks lowered)	m2 (mm)	35	35	35	35
4.33b	Working aisle width (Ast3) with 1000 x 1200 pallets, load crosswise	Ast3 (mm)	2106	2106	2226	2226
4.34b	Working aisle width (Ast3) with 800 x 1200 pallets, load lengthwise	Ast3 (mm)	2038	2038	2095	2095
4.35	Turning circle radius	Wa (mm)	1274	1274	1424	1424
PERFORMANCE						
5.1	Travel speed, with / without load	km / h	4.8/5	4.8/5	4.8/5	4.8/5
5.2	Lifting speed, with / without load	m / s	30/35	30/35	30/35	30/35
5.3	Lowering speed, with / without load	m / s	Manual control	Manual control	Manual control	Manual control
5.8	Maximum gradeability, with / without load	%	5/20	5/20	5/20	5/20
ELECTRIC MOTORS						
6.1	Rated power of lifting motor (Drive motor capacity [60 min. short duty])	kW	0.8	0.8	0.8	0.8
6.2	Rated power of travel motor (Lift motor output at 15% duty factor)	kW	0.65	0.65	0.65	0.65
6.4	Battery voltage / capacity	V / Ah	48/20	48 / 20	48 / 20	48 / 20
6.5	Battery weight	kg	8.5	8.5	8.5	8.5
6.6b	Energy consumption according to VDI cycle	kWh/h	0.15	0.15	0.15	0.15
MISCELLANEOUS						
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ	dB (A)	70	70	70	70



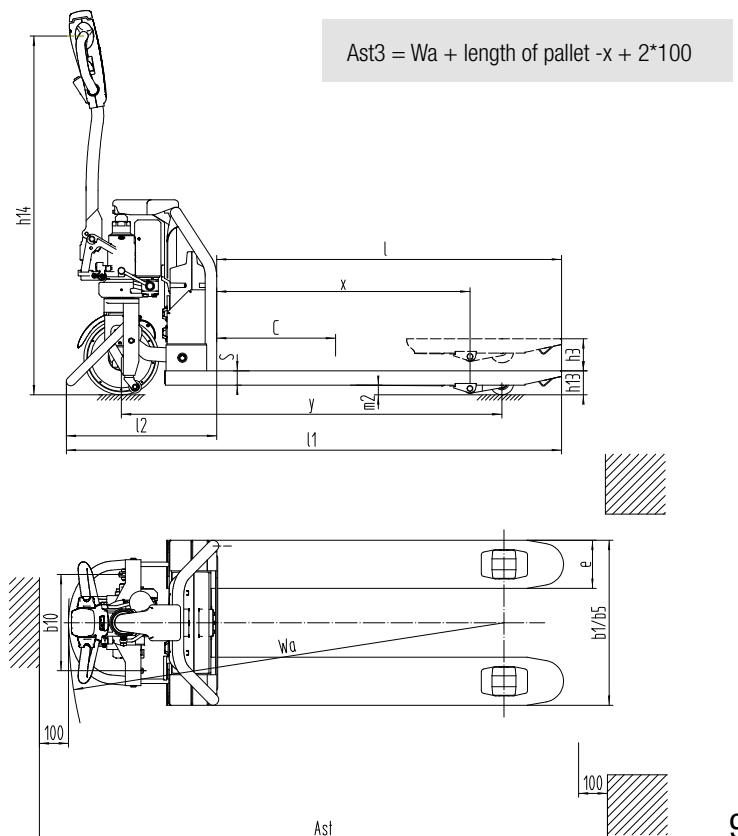
Continuing improvement may lead to changes in these specifications



# PEDESTRIAN ELECTRIC HAND PALLET TRUCK, 48V LI-ION **MPBL15E** 1.5 tonnes

## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS						
1.1	Manufacturer (abbreviation)			L'M	L'M	L'M
1.2	Manufacturer's model designation			MPBL15EHPTP 685 X1150 Battery Pedestrian	MPBL15EKPTP 550 X1220 Battery Pedestrian	MPBL15EJPTP 680 X1220 Battery Pedestrian
1.3	Power source: (battery, diesel, LP gas, petrol)			1500	1500	1500
1.4	Operator type: pedestrian, operator standing, operator seated			600	600	600
1.5	Load capacity	Q	(kg)	1022	1022	952
1.6	Load center distance	c	(mm)	1339	1339	1269
1.8	Load wheels axle to fork face (forks lowered)	x	(mm)	133	135	130
1.9	Wheelbase	y	(mm)	564/1069	565/1070	561/1069
WEIGHT				101/32	102/33	98/32
2.1	Truck weight without nominal load		kg	P	P	P
2.2	Axel load with nominal load & maximum battery weight,drive load/side		kg	210	210	210
2.3	Axel load without nominal load & with maximum battery weight,drive load/side		kg	80	80	80
WHEELS, DRIVE TRAIN				1x+2/4	1x+2/4	1x+2/4
3.1	Wheel type: P=Polyurethane, N=Nylon, R=Rubber			110	110	110
3.2	Wheel dimension, drive side		(mm)	635 / 1200	635 / 1200	635 / 1200
3.3	Wheel dimension, load side		(mm)	80	80	80
3.5	Number of wheels, drive/load side (x=driven)			473	473	473
DIMENSIONS				550	685	550
4.4	Lift height	h3	(mm)	45 / 160 / 1220	45 / 160 / 1220	45 / 160 / 1150
4.9	Height of tiller arm / steering console (min. / max.)	h14	(mm)	550	685	550
4.15	Fork height fully lowered	h13	(mm)	35	35	35
4.19	Overall length	l1	(mm)	2294	2294	2226
4.20	Length to fork face	l2	(mm)	2132	2132	2095
4.21	Overall width	b1/b2	(mm)	1494	1494	1424
4.22	Fork dimensions (thickness, width and length)	s / e / l1	(mm)			
4.25	Outside width over forks (minimum / maximum)	b5	(mm)			
4.32	Ground clearance at centre of wheelbase (forks lowered)	m2	(mm)			
4.33b	Working aisle width (Ast3) with 1000 x 1200 pallets, load crosswise	Ast3	(mm)			
4.34b	Working aisle width (Ast3) with 800 x 1200 pallets, load lengthwise	Ast3	(mm)			
4.35	Turning circle radius	Wa	(mm)			
PERFORMANCE						
5.1	Travel speed, with / without load		km / h	4.8/5	4.8/5	4.8/5
5.2	Lifting speed, with / without load		m / s	30/35	30/35	30/35
5.3	Lowering speed, with / without load		m / s	Manual control	Manual control	Manual control
5.8	Maximum gradeability, with / without load		%	5/20	5/20	5/20
ELECTRIC MOTORS						
6.1	Rated power of lifting motor (Drive motor capacity [60 min. short duty])		kW	0.8	0.8	0.8
6.2	Rated power of travel motor (Lift motor output at 15% duty factor)		kW	0.65	0.65	0.65
6.4	Battery voltage / capacity		V / Ah	48 / 20	48 / 20	48 / 20
6.5	Battery weight		kg	8.5	8.5	8.5
6.6b	Energy consumption according to VDI cycle		kWh/h	0.15	0.15	0.15
MISCELLANEOUS						
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB (A)	70	70	70



Continuing improvement may lead to changes in these specifications

# PEDESTRIAN ELECTRIC PALLET TRUCK

## MPB15E

1.5 tonnes

# SMALL BUT STRONG



The L'M MPB15E Pedestrian Electric Pallet Truck is an all-rounder designed for basic to medium intensity indoor material handling applications up to 1.5 tonnes.

Ideal for workshops, retail, small supermarkets and general warehousing, it's also the perfect solution for applications with limited space such as cargo containers.

### EFFICIENCY

Working effortlessly and efficiently in the smallest of spaces, its very compact dimensions and intuitive controls make the MPB15E flexible and easy to use.

### MANEUVERABILITY

The MPB15E is designed around the needs of the operator and offers unrivalled maneuverability through its compact dimensions and very small turning radius.

### PRODUCTIVITY

Engineered to deliver maximum productivity with minimum cost of ownership, the high quality construction gives a stable and durable platform. Its suitability for mid-distance runs makes the truck highly flexible and further enhances productivity.

### KEY FEATURES

#### Performance & Safety

- Automatic stop on gradients and ramps (automatic parking brake).
- Activation via key switch.
- Ergonomic tiller handle.
- Foot protection with just 35 mm ground clearance.
- Small turning radius.
- Extremely compact and stable construction.
- IP classification and protection, IP34 (indoor use).
- Carries the 'CE' mark of European Conformity.

#### Reliability & Easy Servicing

- Integrated charger can be used with every standard 230V socket.
- Maintenance-free GEL battery.
- One piece front cover for easy battery access during service and maintenance.
- High quality Curtis controller.

#### Efficiency & Ergonomics

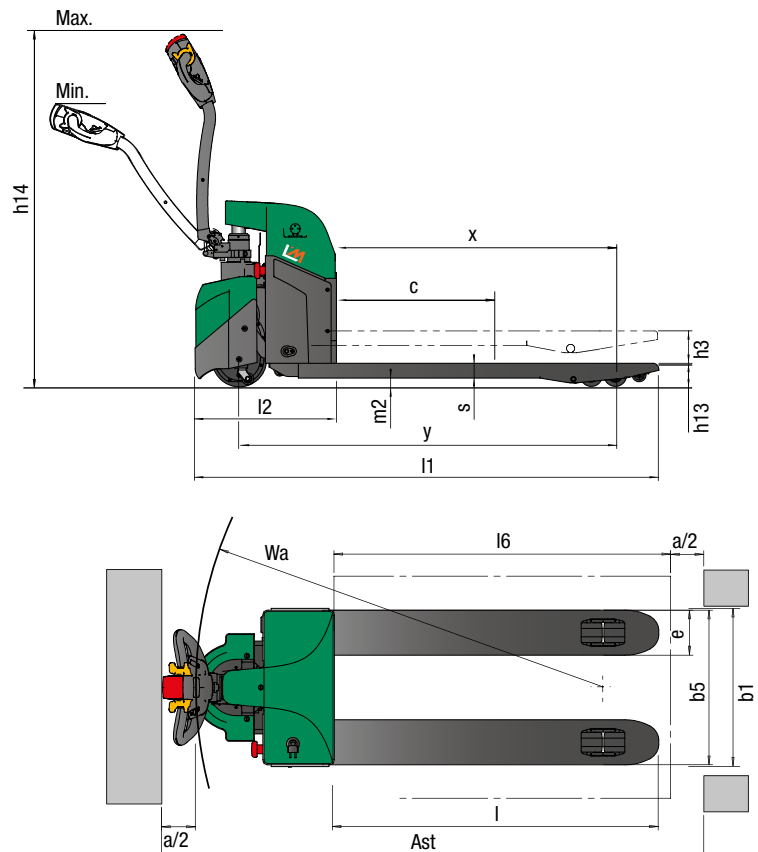
- Caster support wheels for greater stability.
- Tandem load rollers.
- Tiller head integrated drive and operating switches with easy reach positions.
- Clearly positioned battery discharge indicator.



# PEDESTRIAN ELECTRIC PALLET TRUCK **MPB15E** 1.5 tonnes

## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				
1.1	Manufacturer			L'M
1.2	Manufacturer's model designation			MPB15E
1.3	Power source			Battery
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	(kg)	1500
1.6	Load center distance	c	(mm)	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	955/1025
1.9	Wheelbase	y	(mm)	1287/1357
WEIGHT				
2.1	Truck weight without load, with maximum battery weight		kg	181
WHEELS, DRIVE TRAIN				
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, P=Polyurethane, N=Nylon, R=Rubber drive/load side			P
3.2	Tyre dimensions, drive side		(mm)	Ø195x70
3.3	Tyre dimensions, load side		(mm)	Ø80/Ø74
3.4	Castor wheel dimensions (diameter x width)		(mm)	Ø44
3.5	Number of wheels, load/drive side (x=driven)			1X-2/2(4)
3.6	Track width (center of tyres), drive side	b10	(mm)	284
3.7	Track width (center of tyres), load side	b11	(mm)	360/390/525
DIMENSIONS				
4.4	Lift height	h3	(mm)	190/180
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)	700/1250
4.19	Overall length	l1	(mm)	1654/1724
4.20	Length to fork face	l2	(mm)	504
4.21	Overall width	b1/b2	(mm)	685/562
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	53/160/1150(1220)
4.25	Outside width over forks (minimum/maximum)	b5	(mm)	520/550/685
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	32/22
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	(mm)	2260/2328
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)	2128/2365
4.35	Turning radius	Wa	(mm)	1454/1524
PERFORMANCE				
5.1	Travel speed, with/without load	km/h		4.3/4.8
5.2	Lifting speed, with/without load	m/s		0.02/0.03
5.3	Lowering speed, with/without load	m/s		0.035/0.025
5.8	Maximum gradeability, with/without load	%		5/20
ELECTRIC MOTORS				
6.1	Drive motor capacity (60 min. short duty)	kW		0.65
6.2	Lift motor output at 15% duty factor	kW		0.8
6.4	Battery voltage/capacity at 5-hour discharge	V /Ah		24/50
6.5	Battery weight	kg		12
	Battery dimension (LXWXH)	(mm)		244X180X231
MISCELLANEOUS				
10.7.1	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ	dB(A)		70



$Ast = Ast = Wa - x + l6 + a$   
 $a$  = Safety clearance (200 mm)  
 $l6$  = Pallet length



## 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 butterfly 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
- Lead-acid 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

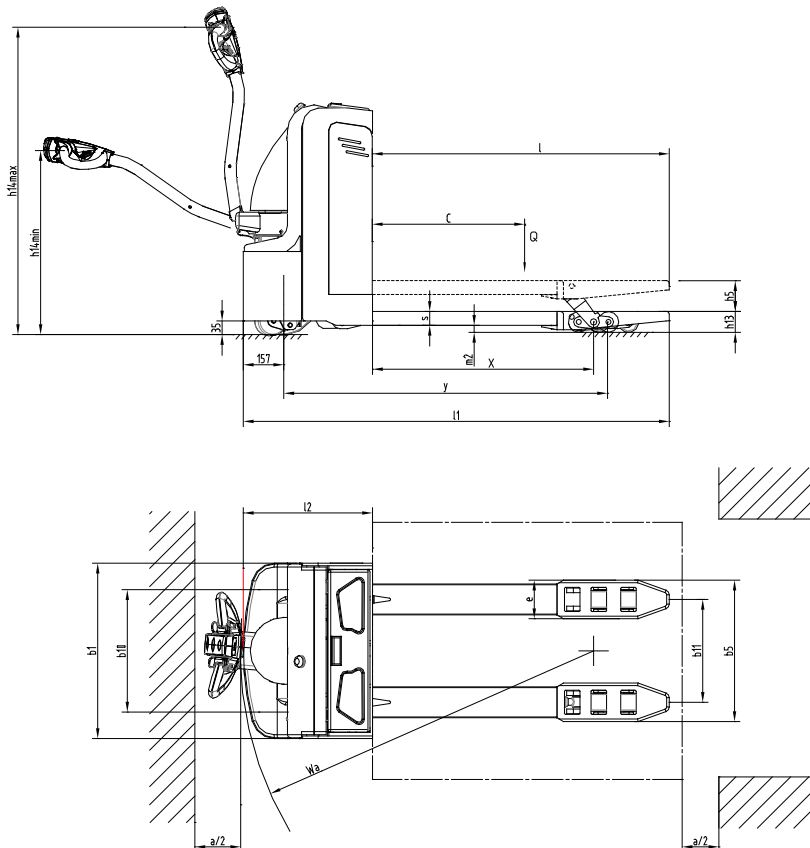
The internal suspension system design ensures that the drive wheel is under an even load regardless of operating conditions, providing optimal traction.

# PEDESTRIAN ELECTRIC PALLET TRUCK **MPB18E** 1.8 tonnes

## 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)

# 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
- 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
- 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-gauge steel are easy to adjust via conveniently located bolts.



### OPTIMAL TRACTION

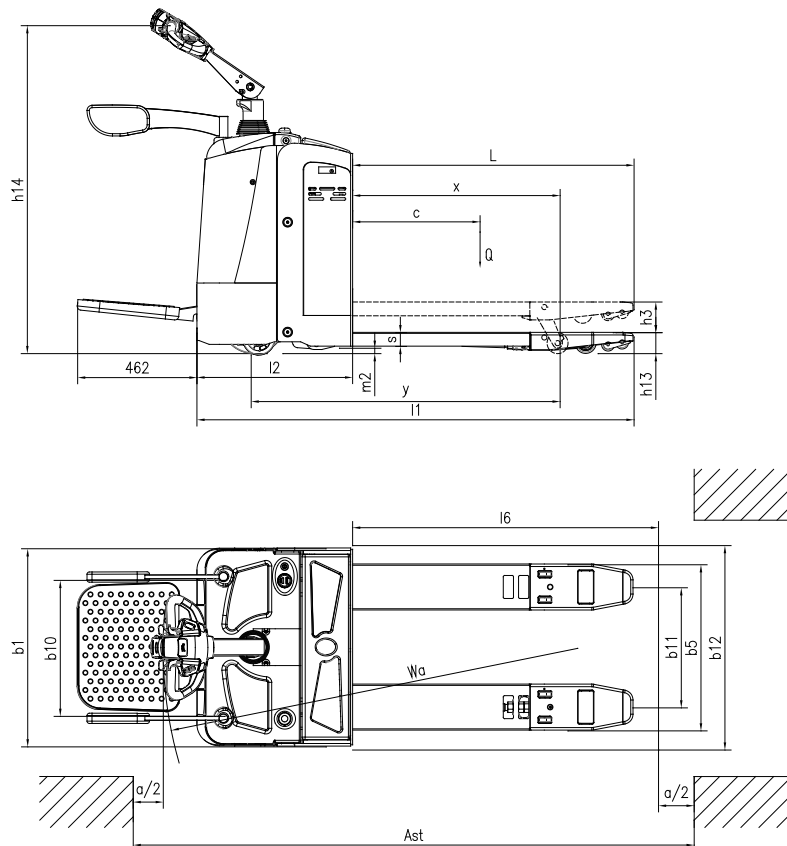
The internal suspension system design ensures that the drive wheel is under an even load regardless of operating conditions, providing optimal traction.



## 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



$Ast = Wa - x + l6 + 200$   
 $Ast =$  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)

# PEDESTRIAN ELECTRIC MONO-MAST PALLET STACKER

**MSB12EM**

1.2 tonnes



## COST EFFICIENT STORAGE

Designed for use in a wide variety of short lift height, light duty applications, our Mono-Mast Pallet Stackers always give a clear view forward. With the centrally installed open mono-mast, excellent visibility is assured.

The creep speed button ensures high maneuverability in confined areas when operating at low speeds with the tiller in the upright position.

As standard the truck is equipped with Initial Lift, meaning that two pallets can be lifted and transported simultaneously.

### KEY FEATURES

- 1,200 kg load capacity
- Different lifting heights depending on model up to 1.95 m
- Low maintenance AC drive motor
- Low maintenance gel battery 105Ah
- Battery level indicator and operating hours meter (BDI)
- Curtis controller
- Ergonomic and durable Curtis tiller-handle for maximum operator comfort
- Initial Lift included
- Built-in charger
- Compact design

AC



INITIAL LIFT AS STANDARD

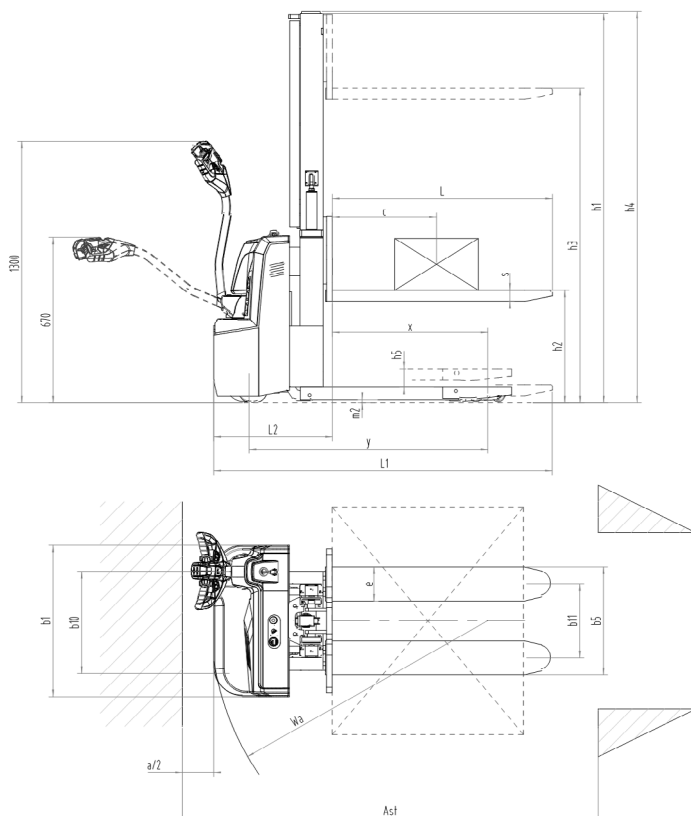


# PEDESTRIAN ELECTRIC MONO-MAST PALLET STACKER **MSB12EM** 1.2 tonnes

## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				
1.1	Manufacturer			L'M
1.2	Manufacturer's model designation			MSB12EM-1.6, 1.95M
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)	1200
1.6	Load center distance	c	(mm)	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	812
1.9	Wheelbase	y	(mm)	1272
WEIGHT				
2.1	Truck weight with load, with maximum battery weight		kg	
2.2	Axle loadings with nominal load & maximum battery weight, drive/load side		kg	
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	
WHEELS, DRIVE TRAIN				
3.1	Tyres: PT=PowerThane, Vul=Vulkollan, drive/load side			PU/PU
3.2	Tyre dimensions, drive side		(mm)	195X70
3.3	Tyre dimensions, load side		(mm)	80X70
3.4	Castor wheel dimensions (diameter x width)		(mm)	150X60
3.5	Number of wheels, load/drive side (x=driven)		(mm)	1X+1/4
3.6	Track width (center of tyres), drive side	b10	(mm)	523
3.7	Track width (center of tyres), load side	b11	(mm)	390
DIMENSIONS				
4.2	Height with mast lowered	h1	(mm)	2050/2400
4.4	Lift height	h3	(mm)	1600/1950
4.5	Height with mast extended	h4	(mm)	2060/2410
4.6	Initial lift	h5	(mm)	120
4.15	Fork height, fully lowered	h13	(mm)	90
4.19	Overall length	l1	(mm)	1690/1770
4.2	Length to fork face	l2	(mm)	619
4.21	Overall width	b1	(mm)	800
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	60/180/1070(1150)
4.25	Overall width of forks	b5	(mm)	570
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	17 ~ 137
4.33	Working aisle width (Ast) with 1000 x1200 mm pallets, load crosswise, platform up/down	Ast	(mm)	2286
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise, platform up/down	Ast	(mm)	2224
4.35	Turning radius	Wa	(mm)	1450
PERFORMANCE				
5.1	Travel speed, with/without load		km/h	4.5/5
5.2	Lifting speed, with/without load		m/s	0.06/0.13
5.3	Lowering speed, with/without load		m/s	0.13/0.10
5.8	Gradeability, with/without load		%	6/15
5.10	Service brake			ELECTRO MAGNETIC
ELECTRIC MOTORS				
6.1	Drive motor capacity (60 min. short duty)		kW	0.65
6.2	Lift motor output at 15% duty factor		kW	2.2
6.4	Battery voltage/capacity at 5-hour discharge		V /Ah	24v 105/120 (optional)
6.5	Battery weight		kg	60.8
	Battery dimension (LXWXH)		(mm)	329X172X214
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)



# PEDESTRIAN ELECTRIC TELESCOPIC-MAST PALLET STACKER

## MSB12ES

1.2 tonnes



# MAKING LIGHT WORK OF PALLET HANDLING

Designed for use in a wide variety of light duty applications, where greater lift height is required, our pallet stackers make light work of your warehouse tasks.

The creep speed button ensures high maneuverability in confined areas when operating at low speeds with the tiller in the upright position.

Equipped as standard with Initial Lift, meaning that two pallets can be lifted and transported simultaneously.

### KEY FEATURES

- 1,200 kg load capacity
- Different lifting heights depending on model up to 3.0 m
- Low maintenance AC drive motor
- Low maintenance gel battery 105Ah
- Battery level indicator and operating hours meter (BDI)
- Curtis controller
- Ergonomic and durable Curtis tiller-handle for maximum operator comfort
- Initial Lift included
- Built-in charger
- Compact design

AC



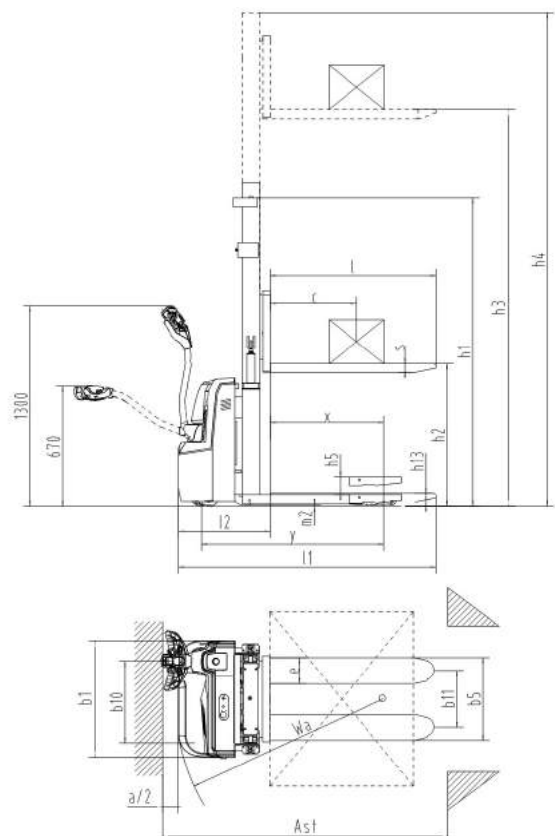
INITIAL LIFT AS STANDARD



## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				
1.1	Manufacturer			L'M
1.2	Manufacturer's model designation			MSB12ES, 1.6, 2.5, 3.0M
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)	1200
1.6	Load center distance	c	(mm)	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	788
1.9	Wheelbase	y	(mm)	1268
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	710/1000
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	220/490
WHEELS, DRIVE TRAIN				
3.1	Tyres: PT=PowerThane, Vul=Vulkollan, drive/load side			PU/PU
3.2	Tyre dimensions, drive side		(mm)	195X70
3.3	Tyre dimensions, load side		(mm)	80X70
3.4	Castor wheel dimensions (diameter x width)		(mm)	150X60
3.5	Number of wheels, load/drive side (x=driven)		(mm)	1X+1/4
3.6	Track width (center of tyres), drive side	b10	(mm)	523
3.7	Track width (center of tyres), load side	b11	(mm)	390
DIMENSIONS				
4.1	Height with mast lowered	h1	(mm)	2122/1872/2122
4.2	Lift height	h3	(mm)	1600/2500/3000
4.3	Height with mast extended	h4	(mm)	2122/3092/3592
4.4	Initial lift	h5	(mm)	120
4.5	Fork height, fully lowered	h13	(mm)	90
4.6	Overall length	l1	(mm)	1709(1789)
4.7	Length to fork face	l2	(mm)	639
4.8	Overall width	b1	(mm)	800
4.9	Fork dimensions (thickness, width, length)	s / e / l	(mm)	60/180/1070(1150)
4.10	Overall width of forks	b5	(mm)	570
4.11	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	17 - 137
4.12	Working aisle width (Ast) with 1000 x1200 mm pallets, load crosswise, platform up/down	Ast	(mm)	2286
4.13	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise, platform up/down	Ast	(mm)	2224
4.14	Turning radius	Wa	(mm)	1450
PERFORMANCE				
5.1	Travel speed, with/without load		km/h	4.5/5
5.2	Lifting speed, with/without load		m/s	0.06/0.13
5.3	Lowering speed, with/without load		m/s	0.13/0.10
5.8	Gradeability, with/without load		%	6/15
5.10	Service brake			ELECTRO MAGNETIC
ELECTRIC MOTORS				
6.1	Drive motor capacity (60 min. short duty)		kW	0.65
6.2	Lift motor output at 15% duty factor		kW	2.2
6.3	Battery voltage/capacity at 5-hour discharge		V /Ah	24/105
6.4	Battery weight		kg	60.8
6.5	Battery dimension (LXWXH)		(mm)	329X172X214
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)

## MINI ORDER PICKER

### MOPB3E

150kg platform capacity, up to 3m lifting height

# WHY STILL USE TRADITIONAL LADDERS?

The L'M order picker is a safer and more productive alternative to the traditional ladders commonly used in today's workplaces. The L'M order picker is designed with operator safety and ease of use in mind. This helps you increase productivity and efficiency in your warehouse while reducing the risk of injuries.

Amongst its many advantages are the extremely stable mast and its compact design. Furthermore, the vehicle's tight turning circle and easy fingertip controls make it the ideal and safe solution for light to medium volume order picking in shops, retail and warehouse applications.

The machine is also versatile enough for use in maintenance tasks up to a height of 3m.

#### COMPACT STRUCTURE

- Small footprint of 750mm and a low step-in allows flexibility in narrow aisles.
- Adjustable tray gives high visibility, meaning safe and efficient order picking.
- Solid mast structure and stable chassis allows safe load handling at maximum work height.
- low step-in allows easy platform entry.
- Polyurethane wheels for greater stability during load handling.

#### SAFETY

- Full platform sensing of operator presence. When gate is left open the truck will not lift or move.
- Hand sensors ensure the operator has both hands on the controls for normal travel and lift functions.
- Operator presence sensors which ensure the operator has both feet properly in a natural position on the platform, automatically stops travel and lift/lower functions if either foot is removed.
- Emergency stop button and horn.
- Automatically reduced speed (elevation control) at different heights.
- Anchor point for securing safety harness.

#### EASY CONTROL

- Creep speed function for very slow, safe and tight manoeuvres.
- Fingertip control.
- Key switch.
- BDI and hour meter.

#### KEY FEATURES

- Platform capacity (1 person permitted on platform) 150 kg.
- Fully electric, drivable at maximum height.
- Amber safety lights.
- Maximum platform lifting height 3 m.
- Maximum working height up to 5 m.
- Zapi controller.
- DC motor.
- Internal battery charger.
- Low Maintenance Gel Battery 24V/105Ah (optional 250Ah).
- Material-load tray capacity 90 kg.
- Drive speed 4.5 km/h, mast lowered.
- Towing device available as option.



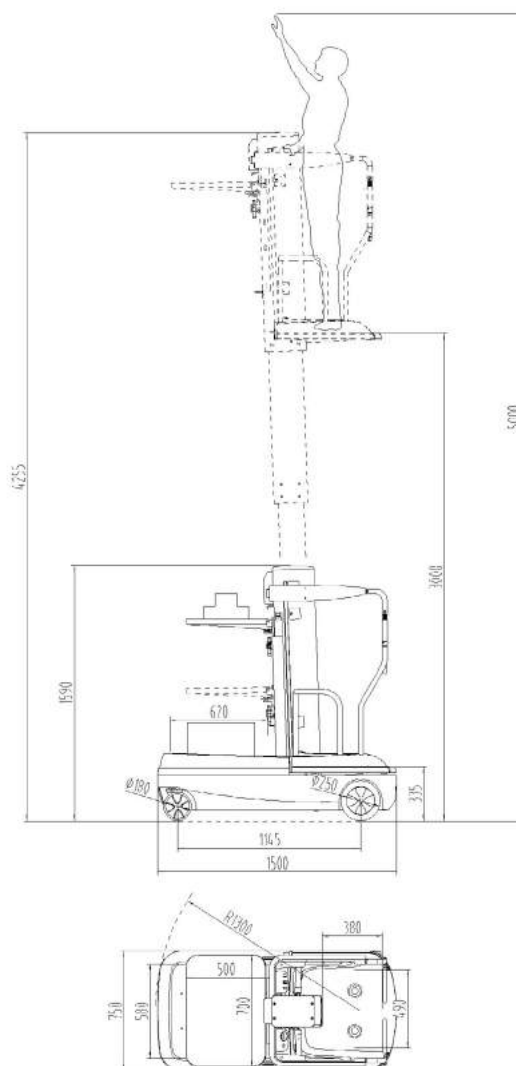


# MINI ORDER PICKER MOPB3E 150kg platform capacity, up to 3m lifting height

## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				
1.1	Manufacturer			L'M
1.2	Manufacturer's model designation			MOPB3E
1.3	Power source			Battery
1.4	Operator type			Standing
1.5	Load capacity	Q	(kg)	90+150
1.9	Wheelbase	y	(mm)	1145
WEIGHT				
2.1	Truck weight without load, with maximum battery weight		kg	750
	Load Capacity Operator Compartment		kg	150
	Rated load of material tray		kg	90
WHEELS, DRIVE TRAIN				
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, P=Polyurethane, N=Nylon, R=Rubber drive/load side			P
3.2	Tyre dimensions, drive side		(mm)	250X60
3.4	Castor wheel dimensions (diameter x width)		(mm)	180X50
3.5	Number of wheels, load/drive side (x=driven)			2X/2
DIMENSIONS				
4.2a	Height with mast lowered	h1	(mm)	1590
4.6	Lift height	h5	(mm)	3000
4.5	Height with mast extended	h4	(mm)	4255
4.14	Platform height, raised	h12	(mm)	3000
4.19	Overall length	l1	(mm)	1500
4.21	Overall width	b1/b2	(mm)	750
4.35	Turning radius	Wa	(mm)	1300
	Material-load tray dimension (length x width)		(mm)	700X500
PERFORMANCE				
5.1	Travel speed, with/without load		km/h	4.5
5.2	Lifting speed, with/without load		m/s	0.14
5.3	Lowering speed, with/without load		m/s	0.13
5.8	Maximum gradeability, with/without load		%	5
ELECTRIC MOTORS				
6.1	Drive motor capacity (60 min. short duty)		kW	0.5
6.2	Lift motor output at 15% duty factor		kW	2.2
6.4	Battery voltage/capacity at 5-hour discharge		V /Ah	24V/105 (250)
6.5	Battery weight		kg	52/70
	Battery dimension (LXWXH)		(mm)	260X168X217 (260X180X275)
MISCELLANEOUS				
8.1	Type of drive control			DC Zapi

Continuing improvement may lead to changes in these specifications



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)

## ELECTRIC TOW TRUCK

### MT30E, MT60E

3.0 - 6.0 tonnes

# UNPARALLED RESILIENCE, UNBEATABLE TOUGHNESS

The robust L'M Tow Truck range exceeds expectations in applications that demand endurance over long travel distances. They are operated from a comfortable driver's seat and have the capacity to haul cargo goods for at least one work shift per charge.

Available in either 3.0t (MT30E) or 6.0t (MT60E) load capacities, the tow trucks are built with high ground clearance, allowing the operator to shuttle through both indoor and outdoor environments easily regardless of ground conditions or gradients.

With a maximum towing speed of 7.0km/h, they are the optimal choice to meet the toughest requirements - all while operating effectively and safely.

#### PERFORMANCE

- Smooth travel speed control up to 14km/hr (6t) when unladen.
- Powerful AC drive motor giving high performance.
- Side battery loading design allows easy battery interchange (optional on MT30E only).

#### RELIABILITY & MAINTENANCE

- Quick release tow pins facilitate easy unlocking & locking of the tow hook.
- Heavy duty hood offers protection from impacts and from water ingress during light showers.
- Robust & maintenance-free AC traction motor allows smooth transitions from point to point.
- IP65 AC controller offers good protection against water & dust ingress.
- High-quality connectors and durable electrical harnesses.
- Standard Battery Discharge Indicator (BDI) shows operating hours, battery level and error code.
- Electric power steering (EPS) for effortless steering reduces operator fatigue (optional on MT60E only).

#### SAFETY

- Safety seat switch ensures the operator is seated before starting the truck (optional).
- Electromagnetic braking system gives smooth, steady deceleration (standard on MT30E, optional on MT60E).
- Mechanical hand brake (Standard on the MT60E).
- Standard combination lights give good forward illumination and alert nearby pedestrians of the truck's approach.
- Walk-beside buttons allow the operator to perform fine adjustments to align the rear tow eye position (optional).
- Partially enclosed cabin offers shelter from light rain (optional).
- Adjustable steering wheel for comfortable operation.

AC



# ELECTRIC TOW TRUCK MT30E, MT60E 3.0 - 6.0 tonnes

## VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS					
Manufacturer				L'M	L'M
Manufacturer's model designation				MT30E	MT60E (AC)
1.2 Power source				Battery	Battery
1.3 Operator type				Seated	Seated
1.4 Max. traction (60 minutes rated)	Q	(kg)		3000	6000
1.5 Rated traction (60 minutes rated)	F	(N / kg)		750 / 75	1500 / 150
1.7 Drawbar center height	h1/h2	(mm)		280 / 350	280 / 350
1.9 Wheelbase	l1	(mm)		1055	1280
WEIGHT					
2.1 Truck weight without load, with maximum battery weight		kg		780	1280
2.2 Axle loadings with nominal load & maximum battery weight, drive/load side		kg		310	450
2.3 Axle loadings without load & with maximum battery weight, drive/load side		kg		470	830
WHEELS, DRIVE TRAIN					
3.1 Tyres: SR=Solid-rubber				Solid - rubber	Solid - rubber
3.2 Tyre dimensions, drive side		(mm)		15"4 ½-8	15"4 ½-8
3.3 Tyre dimensions, load side		(mm)		15"4 ½-8	4.00-8
3.5 Number of wheels, load/drive side (x=driven)	x= Driving wheels			1/2X	1/2X
4.4 Tread, front	w2			0	0
4.5 Tread, rear	w1			860	946
Rear hanging distance	l2	(mm)		382	450
DIMENSIONS					
4.8 Seat- or stand height	h4	(mm)		910	910
4.9 Overall height	h	(mm)		1270	1250
4.10 Approach angle α1	°			≥54°	≥45°
4.11 Departure angle α2	°			≥37°	≥40°
4.12 Min. ground height	x	(mm)		90	100
4.19 Overall length	L	(mm)		1720	1940
4.21 Overall width	B	(mm)		968	1100
4.35 Turning radius	Wa	(mm)		1490	1650
PERFORMANCE					
5.1 - 5.2 Travel speed, with/without load		km/h		6.5 / 10	7 / 14
5.7 - 5.8 Maximum gradeability, with/without load		%		8 / 10	6 / 15
5.10 Service brake				Mechanical /Hydraulic	Mechanical /Hydraulic
ELECTRIC MOTORS					
6.1 Drive motor capacity (60 min. short duty)		kW		3	5
6.4 Battery voltage/capacity		V /Ah		36 / 250	48 / 400
6.5 Battery weight		kg		250	610
MISCELLANEOUS					
8.1 Type of drive control				Mosfett	Mosfett
8.2 Level of noise		dB(A)		68	68
8.3 Traction bolt				Traction pin	Traction pin

Continuing improvement may lead to changes in these specifications



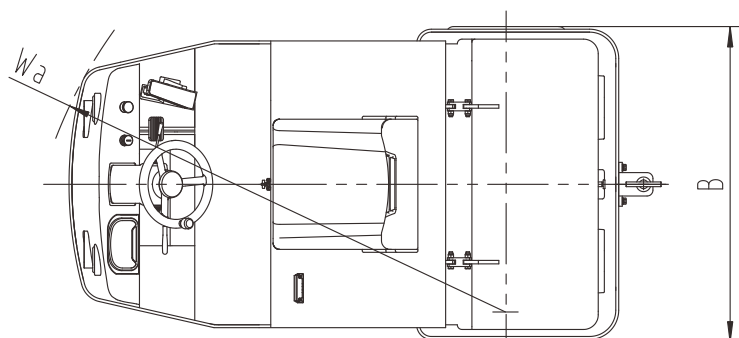
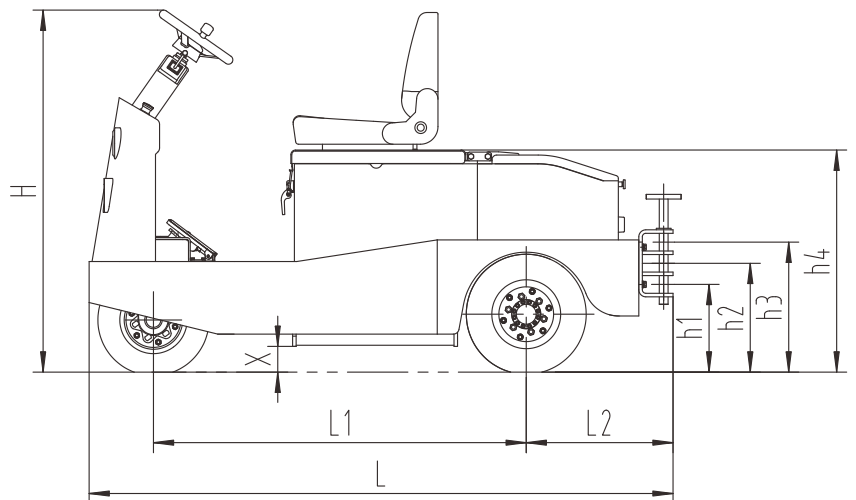
### STANDARD BDI

Battery Discharge Indicator (BDI) shows operating hours, battery level and error code.



### ADJUSTABLE STEERING WHEEL

The steering wheel can be adjusted to suit the operator.





**L'M - The cost-effective, high quality choice for general material handling warehouse tasks. We help you to get the job done!**



**WWW.LIFTM.EU**

### **MAINTENANCE FRIENDLY**

Thanks to the deliberate simplicity of the components and specification, servicing can be carried out by your nearest MLE Forklifts dealer.

### **LOWEST COST OF OWNERSHIP**

The use of proven, high quality, robust components gives reliable operation and helps minimise issues caused by general wear and tear.

This, together with the fast availability of cost-effective replacement parts, helps to reduce service and maintenance needs and keeps costs down.

L'M forklifts offer an ideal solution for operations requiring a robust and dependable machine for lighter to medium warehouse duties.

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