

## Standard and Optional Equipment

### Standard Equipment

- Multi-display
- Maintenance-free Li-ion battery
- Fast change battery box
- Built-in charger
- Curtis controller
- Electromagnetic brake
- Polyurethane drive wheel
- Tandem load wheels polyurethane
- Fork length: 1150mm
- Width across the forks: 540mm
- Key switch
- BMS system
- CAN-Bus system
- Creep speed control

### Optional Equipment

- Li-ion battery 48V/30Ah
- External charger
- Alternative fork lengths and widths



## Other Options Available on Request



## Electric Pallet Truck

CAPACITY 1600kg, 2000kg

MT16, MT20 **1133-03**

### Safety

The truck features an effective parking brake to hold the truck safely on slopes or on lorry tail lifts. Battery discharge protection with automatic lift cut-off function when low battery for higher lifetime. A long, low mounted tiller arm and belly switch places the operator at a safe working distance from the truck.

### Performance

The truck has been specially designed for light applications. Standard 48V system and maintenance-free Li-ion battery, allowing for opportunity charger and loner working time. Fast better change solution to meet the best efficiency needs of different customers.

### Comfort

Linde tiller controls traction and lift with dual hands. Its compactness and creep speed design guarantee easy and precise maneuvering

even in the tightest spaces. Castor wheel system provides more stability when cornering and avoid scraping.

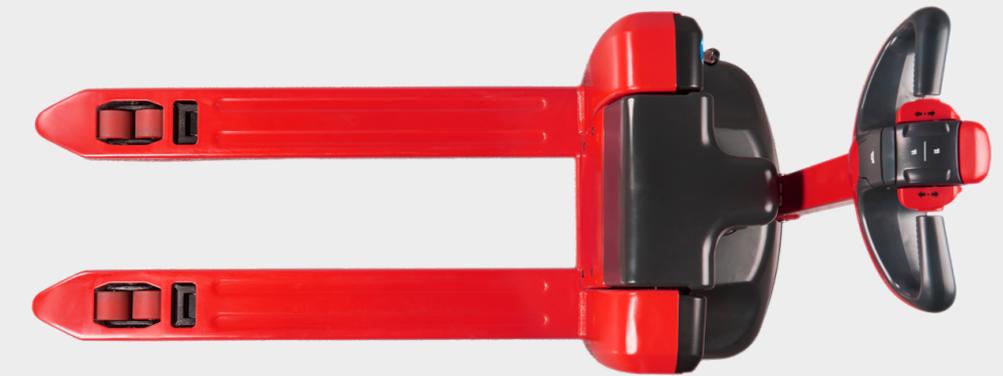
### Reliability

Robust metal cover protects the drive system, also provides safety protection on feet. The chassis has a reinforced fork structure for reliability. The use of polyurethane drive and load wheels ensures impressively quiet operation on different application.

### Service

The Curtis controller and CAN-Bus technology can improve reliability, simplify operation and maintenance. All the performance parameters can be configured easily to match the requirements of the customer's application.

## Features



Standard built-in charger makes operation more convenient, External charger (option) and fast change battery box design to meet different shift work requirements.

Standard large capacity li-ion battery without daily maintenance, allowing for 2h fast and opportunity charger, better applicability.

Multiple braking modes, Highly efficient electromagnetic brake. Automatic braking on releasing traction butterfly or reversing direction of acceleration switch.



Battery management system (BMS) can cut-off circuit automatically in short circuit, overload, overcurrent.



Tandem load wheels and reinforced forks design to ensure that no deformation with heavy duty, More reliable operation.



Castor wheel system provides more stability when cornering and avoids scraping

\*Subject to modification in the interests of progress, illustration and technical details not binding for actual constructions and may show the optional equipments.\*

1133-03-MT16, MT20-D-01-202008

Linde Material Handling 林德物料搬运

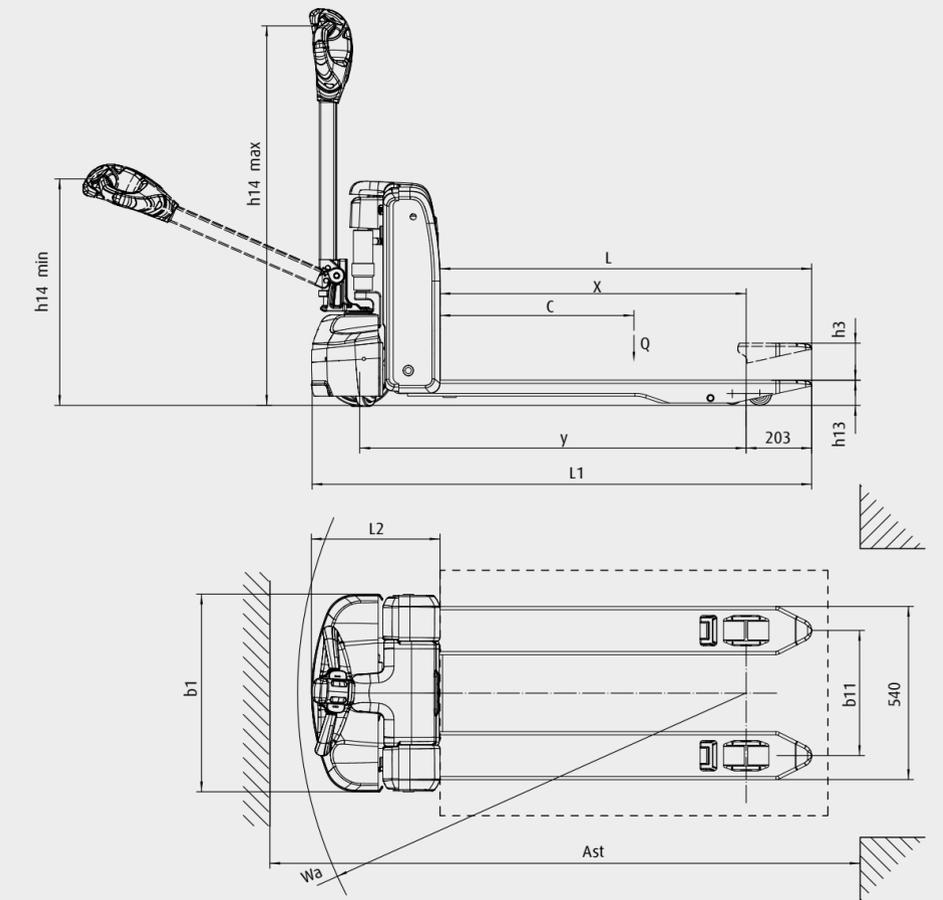
*Linde*

# Technical Data

Characteristics			Linde	Linde	
			MT16	MT20	
1.1	Manufacturer		Linde	Linde	
1.2	Model designation		MT16	MT20	
1.3	Power unit: Battery, diesel, gasoline, LPG		Battery	Battery	
1.4	Operation		Pedestrian	Pedestrian	
1.5	Load capacity	Q (t)	1600	2000	
1.6	Load center	c (mm)	600	600	
1.8	Axle center to fork face	x (mm)	946/883 <sup>1)2)</sup>	946/883 <sup>1)2)</sup>	
1.9	Wheelbase	y (mm)	1200/1135 <sup>1)2)</sup>	1200/1135 <sup>1)2)</sup>	
2.1	Service weight	kg	180 <sup>3)</sup>	185 <sup>3)</sup>	
Wheels			PU/ PU	PU/ PU	
			Φ210x70	Φ210x70	
3.2	Tyre size, front	mm	Φ80x60 (Φ74x88)	Φ80x60 (Φ74x88)	
3.3	Tyre size, rear	mm	Φ80x60 (Φ74x88)	Φ80x60 (Φ74x88)	
3.5	Wheels, number front/rear (X=drive)		1x 2/4 (1x 2/2)	1x 2/4 (1x 2/2)	
Dimensions	4.4	Lift	h3 (mm)	115 <sup>1)</sup>	
	4.9	Height of tiller arm in driving position,min/max	h14 (mm)	700/1200	
	4.15	Fork height, lowered	h13 (mm)	80	
	4.19	Overall length	l1 (mm)	1550 <sup>1)</sup>	
	4.20	Length to fork face	l2 (mm)	400 <sup>1)</sup>	
	4.21	Overall width	b1 / b2 (mm)	620 (705) <sup>1)</sup>	
	4.22	Fork dimensions sxexl	sxexl (mm)	50/150/1150	
	4.25	Distance between fork - arms	b5 (mm)	540 (685) <sup>1)</sup>	
	4.32	Ground clearance with load, center of wheelbase	m2 (mm)	30	
	4.34	Aisle width, 800x1200 along forks	Ast (mm)	2100 <sup>2)4)</sup>	
4.35	Turning radius	Wa (mm)	1390 <sup>2)4)</sup>		
Performances	5.1	Travelling speed, with/without load	km/h	5/5.5	
	5.2	Lifting speed, with/without load	m/s	0.028/0.031	
	5.3	Lowering speed, with/without load	m/s	0.068/0.043	
	5.8	Max. gradeability, laden/ unladen	%	8/20	
	5.10	Acceleration time with/without load	s	n/a	
6.1	Service brake		Electromagnetic	Electromagnetic	
Drive	6.2	Drive motor rating S2 60min	kW	0.9	
	6.3	Lift motor rating at S3 10%	kW	0.8	
	6.4	Battery acc. to DIN 43531/35/36 A, B, C, no		Li-ion	Li-ion
	6.5	Battery voltage, nominal capacity K5	V/Ah	48/20	48/30
6.6	Energy consumption acc. to VDI cycle	kW/h	n/a	n/a	
Others	8.1	Type of drive control		DC	DC
	8.4	Noise level	dB (A)	<70	<70

Above are figures for standard trucks. The figures will be changed if the optional equipment is fitted

- 1) ± 5mm
- 2) Forks upraised / lowered
- 3) ± 10%
- 4) With creep speed = tiller in vertical position



$$Ast = Wa + \sqrt{(l6 - x)^2 + \left(\frac{b12}{2}\right)^2} + a$$

Safety distance a = 200mm