



Pallet Stackers

D10 AP

Capacity 1.0 t | Series 1163

PB

ION

H2

Ergonomic double stacker

- Convenient high lift truck with a load capacity of up to 2 tonnes
- Simultaneous transport of two pallets for efficient goods handling
- Flexible use as a ride-on or pedestrian model
- Fully suspended stand-on platform for vibration-free operation
- Narrow chassis for manoeuvrability in confined spaces

STANDARD MAST (in mm)

Lift	h3: 1574	h3: 1724	h3: 2024	h3: 2424
Height measurements	h1: 1240 h1#: - 1315 h2: 150 h4: 2094	h1: 1315 h1#: - 1390 h2: 150 h4: 2244	h1: 1465 h1#: - 1540 h2: 150 h4: 2544	h1: 1665 h1#: - 1740 h2: 150 h4: 2944
Manufacturer's type designation				
D10 AP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

DUPLEX MAST (in mm)

Lift	h3: 1574	h3: 1724	h3: 2024	h3: 2424
Height measurements	h1: 1240 h1#: - h2: 720 h4: 2094	h1: 1315 h1#: - h2: 795 h4: 2244	h1: 1465 h1#: - h2: 720 h4: 2544	h1: 1665 h1#: - h2: 1145 h4: 2944
Manufacturer's type designation				
D10 AP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

TRIPLEX MAST (in mm)

Lift	h3: 2136
Height measurements	h1: 1165 h1#: - h2: 645 h4: 2662
Manufacturer's type designation	
D10 AP	<input type="radio"/>

h1: Mast height, lowered

h1#: Mast height, with initial lift (+75 mm)

h2: Free lift

h3: Lift

h4: Mast height, extended

STANDARD AND OPTIONAL EQUIPMENT

Manufacturer's type designation/equipment		D10 AP
Safety	Progressive speed reduction depending on the steering angle	●
	Electromagnetic emergency brake acting proportionally to load weight	●
	Key switch or Log in PIN code	●
	Folding stand-on platform with side guards	●
Service	CAN bus technology	●
Digitalisation	Data transmission online	○
	Data transmission WiFi	○
	Linde connect:desk - local fleet management with various functional modules	○
	Linde connect:cloud - fleet management as a service (hosted version)	○
Operation/ load handling	Linde OptiLift: proportional lift control on tiller	●
	Load backrest: height from top of forks = 700 or 1000 mm	○
	Lift end stop sensor	○
	Low traction speed when initial lift is lowered	○
	Soft landing of forks	○
Environ- ment	Cold store protection: -35° C	○
Workplace	Fully suspended operator compartment - both foot platform and steering unit are suspended	●
	Multi-function colour display including hour meter, battery discharge, maintenance due and internal fault code indication	●
	Accessory support	○
	Support for data terminal and power supply cable 24 V	○
	Supports for DIN A4 clipboard and scanner	○
Mast	Standard mast	○
	Duplex mast	○
	Triplex mast	○
	Mast protection: polycarbonate or wire mesh	●
Attachment/ forks	Fork carriage width: 560 mm with fork length 1150 mm	●
	Fork carriage width: 540 mm with fork length 1150 mm	○
Axles and tyres	Drive wheels, heavy duty	●
	Drive wheels, high grip	○
	Single load wheel, polyurethane	●
	Tandem load wheels, polyurethane	○
	Tandem load wheels, polyurethane greasable	○
	Castor wheels: spring damped	●
Drive and brake system	Hydraulic castor wheels, electronically controlled	○
	Power assisted steering with variable steering resistance	●
Lighting	2.3 kW AC maintenance-free drive motor	●
	Working lamp LED front - with on/off switch	○
Energy	Li-ION technology available - different battery capacities with laterally or vertically mounted opportunity charging plug	○
	Integral charger for lead-acid and Li-ION batteries	○
	External chargers available	○
	Battery compartment 3 PzS for vertical and lateral change	●
	Battery compartment 4 PzS for lateral change	○
	Battery stand - fixed or mobile	○

● Standard equipment

○ Optional equipment

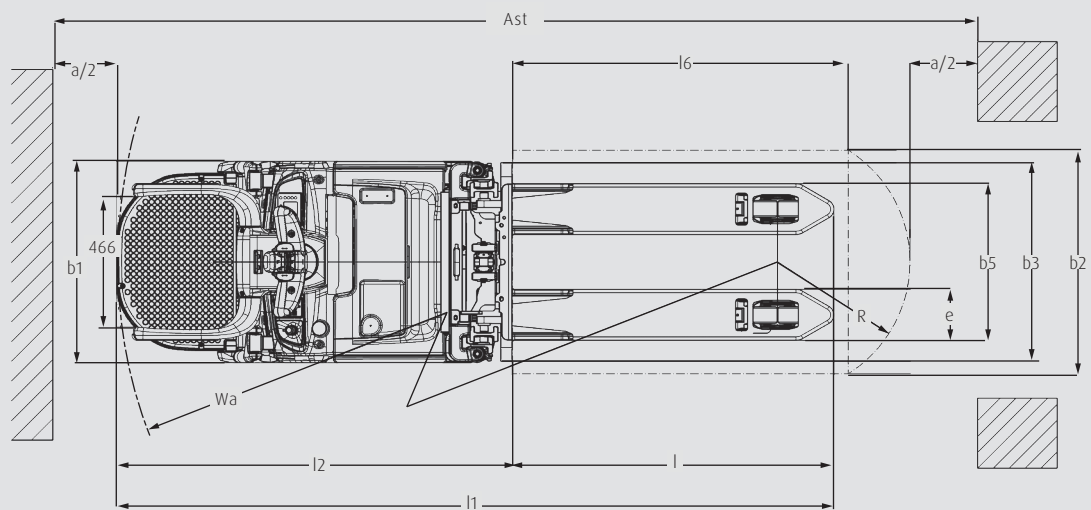
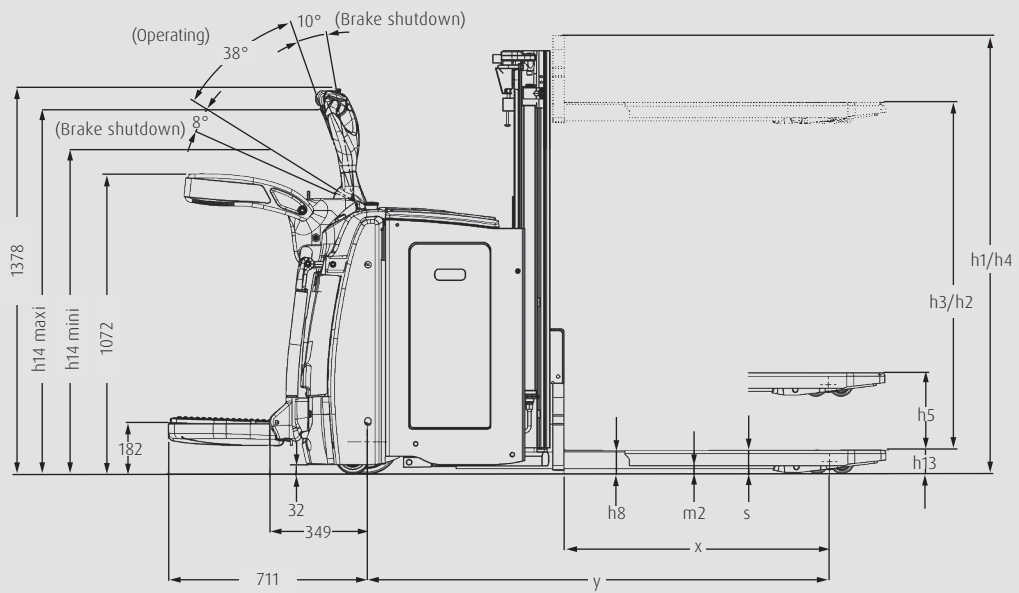
TECHNICAL DATA (according to VDI 2198)

Characteristics	1.1	Manufacturer (abbreviation)		Linde MH
	1.2	Manufacturer's type designation		D10 AP
	1.2a	Series		1163-01
	1.3	Drive		Battery
	1.4	Operation		Pedestrian/stand on
	1.5	Rated capacity/rated load	Q (t)	1.2/(2.0) ¹⁾
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	950 (835) ²⁾³⁾
	1.9	Wheelbase	y (mm)	1653 (1538) ²⁾³⁾
Weight	2.1	Service weight	kg	1339 ⁴⁾⁵⁾
	2.2	Axle loading, laden front/rear	kg	1420/1919 (1303/2036) ²⁾⁴⁾⁵⁾
	2.3	Axle loading, unladen front/rear	kg	997/342 ⁴⁾⁵⁾
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		R+P/P ⁶⁾
	3.2	Tyre size, front		Ø 230 × 90
	3.3	Tyre size, rear		Ø 85 × 85 (Ø 85 × 60) ⁷⁾
	3.4	Auxiliary wheels (dimensions)		Ø 125 × 60
	3.5	Wheels, number front/rear (× = driven wheels)		1x + 2/2 (1x + 2/4) ⁷⁾
	3.6	Tread, front	b10 (mm)	502 ³⁾
	3.7	Tread, rear	b11 (mm)	380 ³⁾
Dimensions	4.2	Mast height, lowered	h1 (mm)	1465 ³⁾
	4.3	Free lift	h2 (mm)	150 ³⁾
	4.4	Lift	h3 (mm)	2024 ³⁾
	4.5	Mast height, extended	h4 (mm)	2544 ³⁾
	4.6	Initial lift	h5 (mm)	125 ³⁾
	4.9	Height drawbar in driving position min./max.	h14 (mm)	1160/1305 ³⁾
	4.10	Height of wheel arms	h8 (mm)	80 ⁸⁾
	4.15	Height, lowered	h13 (mm)	86 ⁸⁾
	4.19	Overall length	l1 (mm)	2208 (2570) ³⁾⁹⁾
	4.20	Length to fork face	l2 (mm)	1058 (1420) ³⁾⁹⁾
	4.21	Overall width	b1/b2 (mm)	720 ³⁾
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	55/180/1150 ¹⁰⁾
	4.24	Fork carriage width	b3 (mm)	710 ³⁾
	4.25	Fork spread	b5 (mm)	540/560 ³⁾
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	210/230 ³⁾
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	20 ¹¹⁾
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2650 (3012) [2605 (2967)] ⁹⁾¹²⁾¹³⁾	
4.35	Turning radius	Wa (mm)	1978 (2340) ⁹⁾	
Performance	5.1	Travel speed, laden/unladen	km/h	10/10 ¹⁴⁾
	5.2	Lifting speed, laden/unladen	m/s	0.14/0.22 (0.05/0.061) ^{2) 15)}
	5.3	Lowering speed, laden/unladen	m/s	0.488/0.197 (0.102/0.082) ²⁾¹⁵⁾
	5.8	Max. gradeability, laden/unladen	%	15.0 (12.0)/20.0 ¹⁶⁾
	5.9	Acceleration time, laden/unladen	s	6.7/5.4
	5.10	Service brake		Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min	kW	2.3
	6.2	Lift motor rating at S3 15%	kW	2.2
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		43 535 B/3PzS
	6.4	Battery voltage/nominal capacity K 5	(V)/(Ah) o. kWh	24/345/375
	6.4.a	Battery energy content	kWh	7.2
	6.5	Battery weight (± 5%)	kg	287
	6.6	Power consumption according to VDI cycle	kWh/h	0.82
	6.7	Turnover output according to VDI 2198	t/h	77.0
6.8	Turnover efficiency according to VDI 2198	t/kWh	56	
Drive/lifting mechanism	8.1	Type of drive unit		LAC
Additional data	10.7	Sound pressure level LpAZ (at the operator's seat)	dB (A)	65 ¹⁷⁾

1) (Load distribution e.g. 1000 kg on the forks, 1000 kg on the load arms. Total load max. 2000 kg.)
 2) Figures in parenthesis with initial lift
 3) (± 5 mm)
 4) Figures with battery, see line 6.4/6.5
 5) (± 10%)

6) Solid rubber + polyurethane/polyurethane
 7) Figures in parenthesis with tandem load wheels
 8) (-0/+5 mm)
 9) Values in parenthesis refer to lowered Rider Plattform
 10) Reach legs 75 × 150 × 1115

11) (± 2 mm)
 12) [with initial lift]
 13) Including a 200 mm (min.) operating aisle clearance
 14) (± 5%)
 15) (± 10 mm)
 16) 1200 kg (2000 kg)/0 kg



CHARACTERISTICS



Robust foldable sideguards



Electrical steering for effortless vehicle control



Foldable damped platform



Easy access to all relevant components

Safety

- Dead man switch for maximum safety
- Folding side guards for full protection of the operator
- Speed reduction in curves for enhanced stability
- Optional load backrest for protection against falling loads
- Creep speed function for greater safety when manoeuvring in narrow aisles

Ergonomics

- Fully suspended stand-on platform for protection against shocks and vibrations
- Ergonomic tiller head for intuitive control
- Creep speed function for precise manoeuvring in confined areas
- Spacious storage compartment for quick access to essential work items
- Multi-function display for easy monitoring of truck status

Handling

- Compact 2.3 kW AC motor for fast, responsive operation
- Narrow chassis ideal for loading and unloading
- Innovative castor wheels for maximum stability when operating and lifting
- Linde OptiLift control for easy pallet handling
- Linde Speed Management option for increased performance in double stacking mode

Service

- CAN bus connection for quick diagnosis of truck data
- Easy access to relevant truck components for maintenance
- Maintenance-free AC drive for long service life
- Robust design for reduced service costs
- Individually adjustable operating parameters for maximum flexibility

Subject to modification in the interest of progress. Illustrations and technical specifications could include options and are not binding for actual constructions. All dimensions subject to usual tolerances.