



# SEATED DOUBLE PALLET STACKER D12 RW

**CAPACITY 1200 KG | SERIES 1164**

## Safety

High performance combined with safety. The three independent braking systems and a four point configuration ensures inherent safety and stability. The operator is always safely within the chassis contour. The overhead guard provides additional protection.

## Performance

The compact and powerful 3 kW AC drive unit enables precise maneuvering with speeds up to 10 km/h. With capacities up to 2000 kg, the Linde Seated Double Stacker is designed to transfer two double-stacked pallets simultaneously. When used as a double stacker the speed can be further optimized thanks to the new Speed Management option.

## Comfort

The 90° sitting position provides excellent all-round visibility over the environment. The spacious operator's compartment and the padded armrest offer a stress-free working environment for optimum efficiency and productivity. All the operating controls incorporated in

the console are easily accessible. The sitting position and the floorplate are adjustable to suit every operator's preferences.

## Reliability

Rugged construction and the use of tried and tested components ensure this is a truck that can be relied on. Motor, sub-components and electronics are all protected within the robust chassis structure. A pallet stop ensures durability of lifting units. These features guarantee a longer operating life; delivering safe, efficient, and productive load handling.

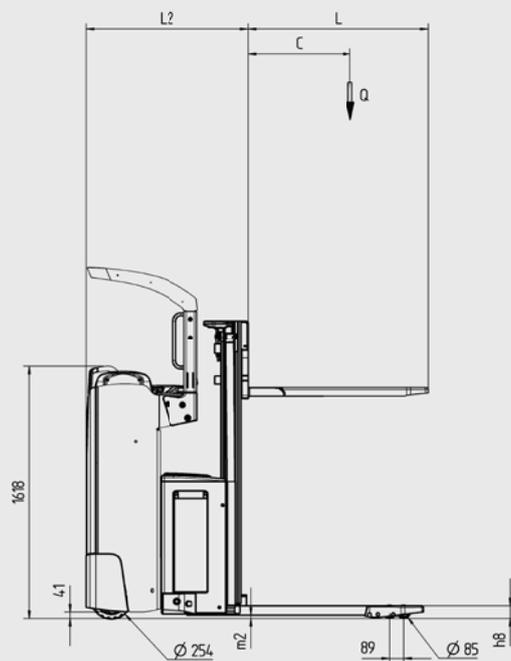
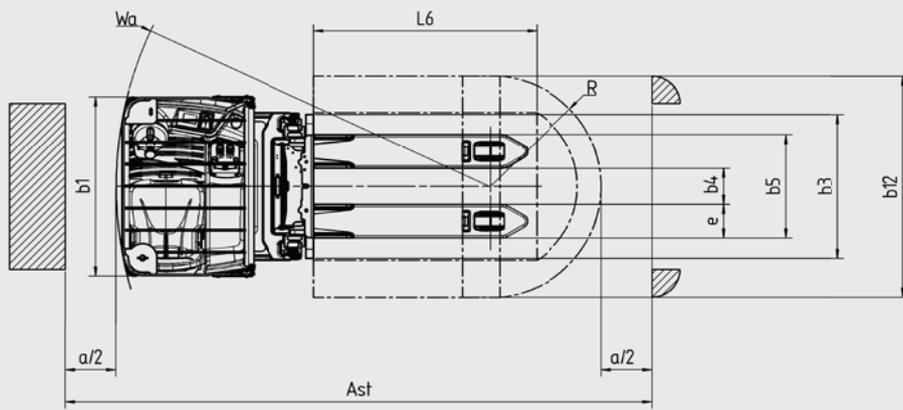
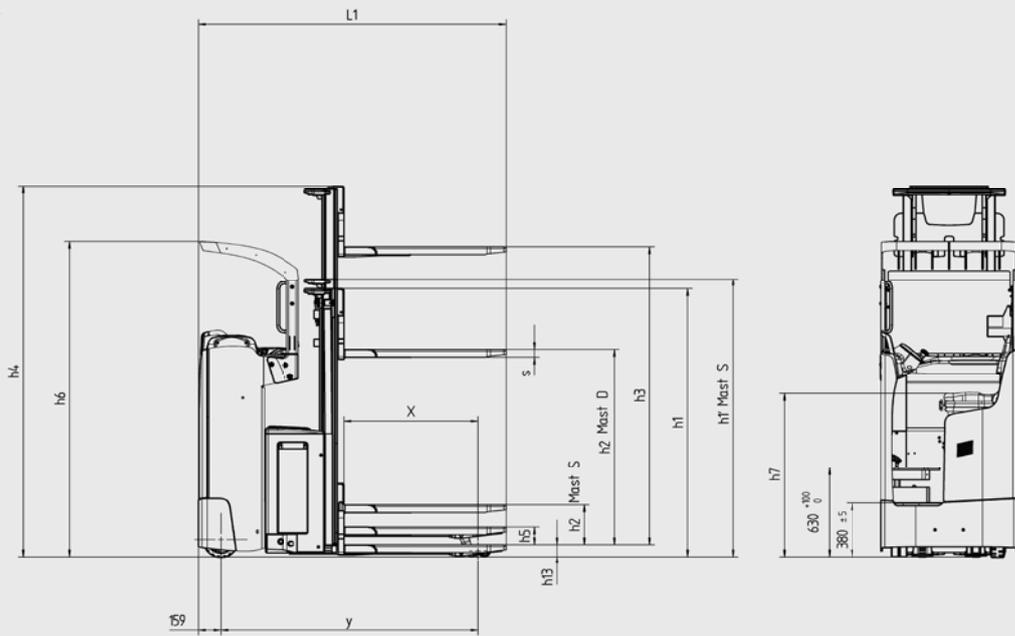
## Service

Efficiency at work and efficiency in servicing with cost effective maintenance routines. Easy access to all components and maintenance-free technology also play their part in increasing truck up-time and availability. CAN bus connectivity provides a computerised diagnostic system for rapid analysis to ensure maintenance intervals are also minimized.

# TECHNICAL DATA

## ACCORDING TO VDI 2198

Characteristics	1.1	Manufacturer		LINDE
	1.2	Model design		<b>D12 RW</b>
	1.3	Power unit		Battery
	1.4	Operation		Seat
	1.5	Load capacity / Load	Q (t)	1.2 / 2.0
	1.6	Load centre distance	c (mm)	600
	1.8	Axle centre to fork face	x (mm)	950 (835)
	1.9	Wheelbase	y (mm)	1828 (1713)
	Weight	2.1	Service weight	(kg)
2.2		Axle load with load, front / rear	(kg)	1461 / 2100 (1326 / 2235)
2.3		Axle load without load, front / rear	(kg)	1052 / 509
Wheels and types	3.1	Tyres rubber, SE, pneumatic, polyurethane		V + P / P
	3.2	Tyre size, front		Ø 254 x 102
	3.3	Tyre size, rear		Ø 85 x 60
	3.4	Auxiliary wheels (dimensions)		Ø 140 x 50
	3.5	Wheels, number front / rear (x = driven)		1x + 1 / 4
	3.6	Track width, front	b <sub>10</sub> (mm)	699
	3.7	Track width, rear	b <sub>11</sub> (mm)	380
Dimensions	4.2	Height of mast, lowered	h <sub>1</sub> (mm)	1665
	4.3	Free lift	h <sub>2</sub> (mm)	150
	4.4	Lift	h <sub>3</sub> (mm)	2344
	4.5	Height of mast, extended	h <sub>4</sub> (mm)	2864
	4.6	Initial lift	h <sub>5</sub> (mm)	125
	4.7	Height of overhead guard (cabin)	h <sub>6</sub> (mm)	2260
	4.8	Height of seat / stand on platform	h <sub>7</sub> (mm)	1166
	4.10	Height of reach legs	h <sub>8</sub> (mm)	80
	4.15	Height, lowered	h <sub>13</sub> (mm)	86
	4.19	Overall length	l <sub>1</sub> (mm)	2187
	4.20	Length to fork face	l <sub>2</sub> (mm)	1037
	4.21	Overall width	b / b <sub>2</sub> (mm)	820
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	71 x 180 x 1150
	4.24	Width of fork carriage	b <sub>3</sub> (mm)	780
	4.25	Fork spread	b <sub>5</sub> (mm)	560
	4.26	Distance between wheel arms / loading surfaces	b <sub>4</sub> (mm)	255
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	20
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A <sub>31</sub> (mm)	2823 (2843)
	4.34.2	Aisle width with pallet 800 x 1200 along forks	A <sub>31</sub> (mm)	2693 (2763)
	4.35	Turning radius	W <sub>a</sub> (mm)	2021
Performance	5.1	Travel speed, with / without load	(km / h)	10 / 12
	5.2	Lifting speed, with / without load	(m / s)	0.107 / 0.174 (0.034 / 0.07)
	5.3	Lowering speed, with / without load	(m / s)	0.377 / 0.394 (0.084 / 0.084)
	5.8	Maximum climbing ability, with / without load	(%)	17.0 (16.0) / 20.0
	5.9	Acceleration time, with / without load	(s)	5.9 / 4.7
	5.10	Service brake		Electro-magnetic
Drive	6.1	Drive motor rating S2 60 min	(kW)	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 / 3 PzS
	6.4	Battery voltage / rated capacity (5h)	(V) / (Ah)	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)	1.1
	6.7	Turnover output	(t / h)	45.6
	6.8	Energy consumption at turnover output	(kWh / h)	1.68
8.1	Type of drive unit		LAC	
10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	62	



# STANDARD EQUIPMENT / OPTIONAL EQUIPMENT

## STANDARD EQUIPMENT

Chassis width 970 mm

Key switch or PIN Code access

Multifunction coloured display with hour meter, maintenance indication, battery discharge indicator and internal fault code indication

Automatic speed reduction

ECO-Mode with up to 12% energy savings

3kW AC motor (maintenance free)

CAN bus technology

Overhead guard

Soft landing on forks

Drive wheel Polyurethane

Tandem load wheel Polyurethane

Lateral battery change 3 PzS available with ergonomic battery un/locking with lever and rollers ( $l_2 = 1037$  mm)

Width over fork carriage: 560 mm

Fork carriage length: 560/1150/55 mm

Protection -10° C

## OPTIONAL EQUIPMENT

Drive wheels: cushion rubber, synthetic cushion rubber non marking, wet grip

Load wheels: tandem polyurethane greasable

Lateral battery change 3 PzS/4 PzS available with an ergonomic battery un/locking with lever and rollers ( $l_2 = 1112$  mm)

Leather seat and seat heating

Additional head support

Different Standard and Duplex masts with maximum lift height 3244 mm

Load backrests with  $h = 1000$  mm

Mast Protection: polycarbonate, steel mesh

Flashing beacon

Support Clipboard DIN A4 and panoramic mirror

Support data terminal incl. power supply cable 24V

Mobile or Fixed battery stand

Cold store protection -35° C

Blue spot

Speed management

Other options available on request

### Linde Connected Solutions:

ac: access control (PIN or RFID Dual),  
an: usage analysis and dt: crash detection

Data transfer Online

Data transfer WIFI

Bluetooth USB Stick

### Li-ION technology:

4PzSL compartment: 4.5kwh - 9Kwh (205Ah - 410Ah)

### Li-ION charger:

24V-Charger v255: 4.5 kWh (full charging time 1h30min) - 9.0kWh (2h40min)

## MAST TABLES

Mast 1.4 and 1.6 t (in mm)		1844 S	2344 S	2844 S	3244 S	1844 D	2344 D	2844 D	3244 D
Height, mast lowered	$h_1$	1415	1665	1915	2115	1415	1665	1915	2115
Closed height (with free lift at 150 mm)	$h_v$	1490	1740	1990	2190	/	/	/	/
Free lift	$h_2$	150	150	150	150	895	1145	1395	1595
Lift	$h_3$	1844	2344	2844	3244	1844	2344	2844	3244
Height, mast extended	$h_4$	2364	2864	3364	3744	2364	2864	3364	3764
Other masts on request S = Standard, D = Duplex, T = Triplex									



# FEATURES

## Lifting systems

- Precise, effortless fingertip control of all mast movements
- Soft landing on forks protects the load when lowering
- Initial lift independent of main lift
- Max. load capacity when Double-Stacking: 1000 kg on forks / 1000 kg



## Speed management

- Increased performance when used as double stacker
- Speed optimization of the truck is linked to the weight of the load on the free lift

## Handling

- Chassis width  $b_1 = 970$  mm
- High seated position for excellent visibility
- Stable 4 point configuration
- Pallet stop for fast, efficient stacking of two pallets

## Comprehensive energy solutions

- 24V batteries: capacities from 345 Ah (3PzS) to 500 Ah (4PzS)
- 24V high batteries: capacities from 420 Ah (3PzS) to 620 Ah (4PzS)
- Li-ION batteries with 4.5 kWh (205 Ah) and 9.0 kWh (410 Ah)

## Drive control and settings

- Compact steering wheel integrated into the console
- Traction speed automatically reduces in relation to the steering angle
- ECO-Mode up to 12% energy savings to finish shift with low battery status



## Workstation

- Multifunctional instrument display with easy ergonomic menu
- Truck access control by PIN code or ignition key
- Storage compartment for work gloves, writing utensils etc.
- Emergency isolator

## Ergonomics and sitting position

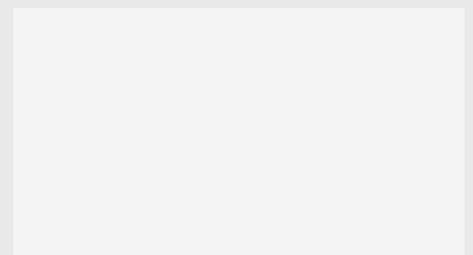
- 90° Side-stance seating posture ensures excellent visibility
- Padded armrest and easy access to all operating controls
- Three independent adjustments systems: backrest adjustable, length adjustable, weight adjustable for operator's comfort
- Adjustable floor plate

## Twin or single pedal

- Seamless and effortless forward/reverse selection provides outstanding traction control and places minimal demands on operator
- The left foot is safely protected within the chassis contours
- The operator is able to maintain high levels of efficiency and productivity

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

Presented by:



**Linde Material Handling GmbH**  
Postbox 10 0136 | 63701 Aschaffenburg | Germany  
Phone + 49 6021 99 0 | Fax + 49 6021 99 15 70  
www.linde-mh.com | info@linde-mh.com

Printed in Germany 778.e.0,2.0618.IndA.Ki