



Linde Material Handling

*Linde*



# 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		D12 RW
	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)	1561
	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 <sub>1</sub> /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









# 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 (3 PzS) to 500 Ah (4 PzS)
- 24V high batteries: capacities from 420 Ah (3 PzS) to 620 Ah (4 PzS)
- 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

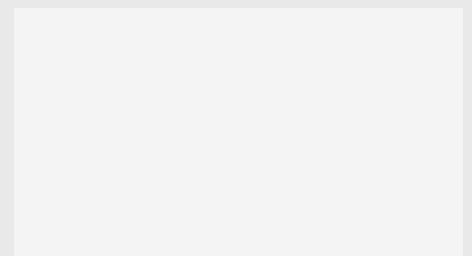
- 90° Side-stance seating posture ensures excellent visibility
- Padded armrest and easy access to all operating controls
- Three independent adjustments systems: backrest adjustable, length adjustable, weight adjustable for operator's comfort
- Adjustable floor plate

## 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:



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