



Pedestrian Double Stacker Capacity 1200 kg - 1400 kg D12, D14

Series 133

Safety

Safety is assured by automatic speed reduction when cornering, automatic braking on release of the traction control and excellent visibility through the wide mast. Electromagnetic braking is actuated by the emergency stop button. The rounded, smooth shape of the chassis and tiller head, reduces all risk of pinching or snagging.

Performance

A key strength of the range is productivity. Linde OptiLift® control provides genuinely proportional lifting/lowering and the powerful 3kW AC motor gives a top speed of 6 km/h laden or unladen. The compact chassis ensures that this high performance is combined with exceptional manoeuvrability.

Comfort

Electric power steering with adjustable steering torque provides effortless control and efficiency. Positive steering feedback results in safe, assured operation. Travel speed is automatically reduced as the steering angle increases for optimum stability. Generous storage compartments for work equipment and tools eases the operator's tasks.

Reliability

Linde has designed these two pedestrian stackers to meet the needs of its customers by providing the optimum solution for individual applications. These rugged trucks incorporate tried and tested components to deliver consistent reliability and faster, safer load handling over an extended working life.

Service

The digital multifunction instrument display ensures the operator is always well informed. CAN bus connectivity enables all truck data to be quickly interrogated by the service technician via his laptop. Easy accessibility of all components and maintenance-free AC technology also play an important role in maximising truck uptime.

Linde Material Handling

Linde

Technical Data according to VDI 2198

			LINDE	LINDE	
Characteristics	1.1	Manufacturer	LINDE	LINDE	
	1.2	Manufacturer's type designation	D12	D14	
	1.2a	Series	133-00	133-00	
	1.3	Power unit	Battery	Battery	
	1.4	Operation	Pedestrian	Pedestrian	
	1.5	Load capacity/Load	Q (t)	1.2 / 2.0*	1.4 / 2.0*
	1.6	Load centre distance	c (mm)	600	600
	1.8	Axle centre to fork face	x (mm)	948 (833)*	948 (833)*
	1.9	Wheelbase	y (mm)	1625 (1510)**	1625 (1510)**
Weights	2.1	Service weight	(kg)	1345*	1340*
	2.2	Axle load with load, front/rear	(kg)	1222 / 1323 (1274 / 2071) **	1260 / 1480 (1269 / 2071) **
	2.3	Axle load without load, front/rear	(kg)	965 / 380*	960 / 380*
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane	V+P/P**	V+P/P**	
	3.2	Tyre size, front	Ø 254 x 102	Ø 254 x 102	
	3.3	Tyre size, rear	Ø 85 x 85	Ø 85 x 85	
	3.4	Auxiliary wheels (dimensions)	2x Ø 140 x 50	2x Ø 140 x 50	
	3.5	Wheels, number front/rear (x = driven)	1x + 1 / 2	1x + 1 / 2	
	3.6	Track width, front	b10 (mm)	470	470
	3.7	Track width, rear	b11 (mm)	380	380
Dimensions	4.2	Height of mast, lowered	h1 (mm)	1490	1490
	4.3	Free lift	h2 (mm)	150	150
	4.4	Lift	h3 (mm)	1924	1924
	4.5	Height of mast, extended	h4 (mm)	2460	2460
	4.6	Initial lift	h5 (mm)	125	125
	4.9	Height of tiller arm in operating position, min/max	h14 (mm)	1287 (1103)	1287 (1103)
	4.15	Height, lowered	h13 (mm)	86	86
	4.19	Overall length	l1 (mm)	2135*	2135*
	4.20	Length to fork face	l2 (mm)	985*	985*
	4.21	Overall width	b1/b2 (mm)	790	790
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	55 x 180 x 1150*	55 x 180 x 1150*
	4.24	Width of fork carriage	b3 (mm)	780	780
	4.25	Fork spread	b5 (mm)	560	560
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	230	230
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	20	20
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2762 (2783)***	2762 (2783)***	
4.34.2	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2633 (2703)***	2633 (2703)***	
4.35	Turning radius	Wa (mm)	1960*	1960*	
Performance	5.1	Travel speed, with/without load	(km/h)	6 / 6*	6 / 6*
	5.2	Lifting speed, with/without load	(m/s)	0.11 / 0.22 (0.06 / 0.06)*	0.12 / 0.23 (0.06 / 0.06)*
	5.3	Lowering speed, with/without load	(m/s)	0.3 / 0.3 (0.07 / 0.07)*	0.35 / 0.385 (0.07 / 0.07)*
	5.8	Maximum climbing ability, with/without load	(%)	15.0 / 18.0	14.0 / 18.0
	5.9	Acceleration time, with/without load	(s)	1.5 / 1.4	1.6 / 1.4
	5.10	Service brake		Electro-magnetic	Electro-magnetic
Drive	6.1	Drive motor rating S2 60 min	(kW)	3	3
	6.2	Lift motor rating at S3 15%	(kW)	1.7	2
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		no	no
	6.4	Battery voltage/rated capacity (5h)	(V)/(Ah)	24 / 345/375	24 / 345/375
	6.5	Battery weight (± 5%)	(kg)	295	295
	6.6	Power consumption according to VDI cycle	(kWh/h)	0.97	0.97
8.1	Type of drive unit		LAC	LAC	
10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	< 70	< 70	

1) Load distribution e.g. 1000 kg on the forks, 1000 kg on the fork arms. Total load max. 2000 kg.
 2) Figures in parenthesis with initial lift
 3) ± 0 mm = 3 PzS lateral; + 100 mm = 3 PzS vertical and 4PzS lateral; + 150 mm = 4 PzS vertical; + 225 mm = 4 PzS vertical
 4) Figures with battery, see line 6.4/6.5.
 5) Drive Wheel Option: rubber non marking, Polyurethane and wet grip
 6) Solid rubber + polyurethane / polyurethane
 7) Load arms 60x125x1119
 8) Including a 200 mm (min.) operating aisle clearance.
 9) (± 5%)

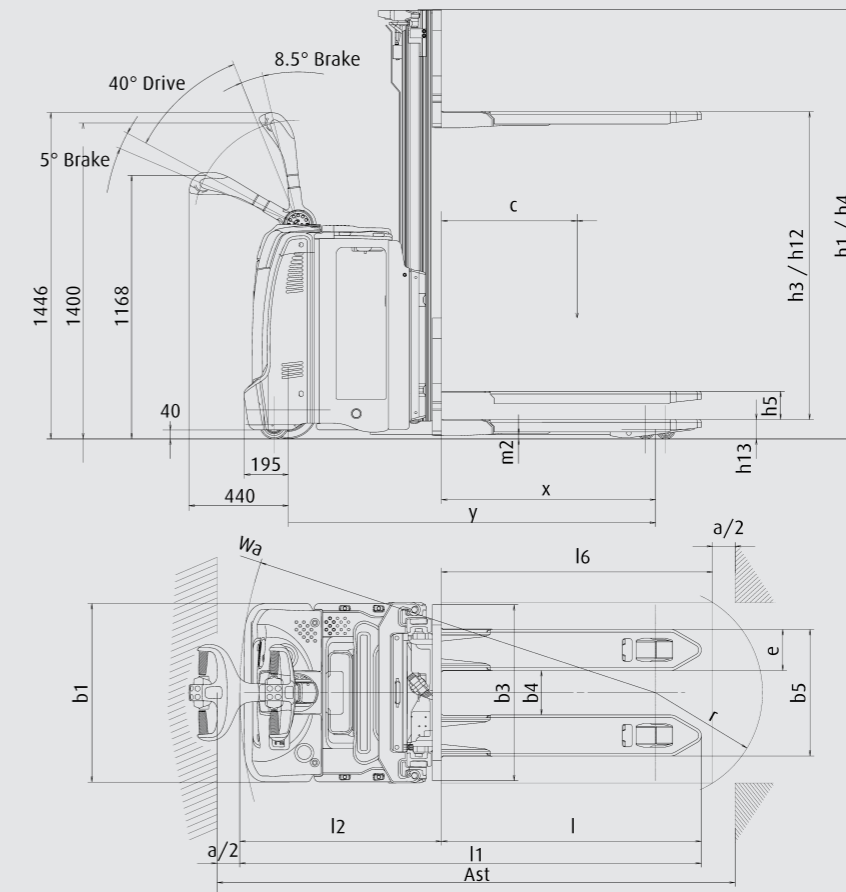
Standard Equipment/Optional Equipment

Standard Equipment

Linde OptiLift®: proportional control on the tiller head
 Power assisted steering with variable steering resistance
 Positive steering (drive wheel) feedback
 Automatic and adjustable speed reduction when cornering
 3kW AC motor (maintenance free)
 Electromagnetic emergency brake
 Key switch or Log in PIN code
 Dedicated work station with storage compartments
 CAN bus technology
 Multifunction backlit instrument display: Safety alarm, maintenance check indicator, battery charge level, hour meter
 Cushion rubber drive wheel
 Polyurethane single load wheels
 Width over forks of 560 or 680 mm
 Vertical battery change 3 or 4 PzS
 Side battery change 3 or 4 PzS
 Mast protection: polycarbonate or mesh screen
 Horn

Optional Equipment

Load backrest (h=1,000mm)
 Low traction speed when initial lift lowered option
 Soft landing of forks
 Support for data terminal or barcode reader (Pack n°2 on D12 / D14)
 Drive wheels: polyurethane, cushion rubber non-marking or wet grip
 Load wheels: tandem polyurethane or tandem polyurethane greaseable
 Side battery change 3 or 4 PzS (D12 / D14)
 Mobile and fixed battery stands for side battery change
 Linde Connected Solutions:
 ac:access control (PIN and RFID Dual), an:usage analysis, dt:crash detection
 Cold store protection to -35°C
 Other options available on request.



Features

Different drive systems D12, D14 (4-wheel configuration):

- Excellent stability
- Vertical battery change as standard, optional side battery change
- Mast height range up to 4,266 mm lift (T)



Workstation

- Digital, multifunction, backlit instrument display informs the operator of key truck information
- Truck access by key switch or by PIN code (no-cost option)
- Conveniently located and generous storage compartments for shrink-wrap, work gloves, pens/markers, etc.



OptiLift control

- Intuitive control of the tiller and all lifting functions
- The proportional OptiLift control provides quiet, smooth and precise operation
- Compact, high performance lift unit conserves energy to maximise shift life



CAN bus connectivity

- Intelligent electronic management of all components for rapid and easy diagnosis
- All truck parameters can be configured by the service technician to match performance to individual applications



AC motor & Energy

- Powerful, high torque drive motor, 3kW at 100% performance
- Moisture and dust-proof, maintenance-free motor
- No rollback on gradient
- 6km/h with or without load
- Wide range of batteries from 375 Ah (3PzS) to 500 Ah (4PzS)
- Ergonomic battery exchange system

Power steering

- Effortless, electric power steering
- Positive steering feedback for assured manoeuvring.
- Automatic speed reduction when cornering
- Steering effort varies according to the turning angle

Brake

- Automatic electric braking
- Automatic braking by releasing the traction butterfly
- Electromagnetic emergency brake

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