Electric Rider Pallet Stacker 1200 and 1600 kg





The L12 R and L16 R seated rider pallet stackers are designed both for transport and medium-height storage, up to 4724 mm lift height warehouses or workshops.

The compact 4-point design povides excellent stability. Output is increased thanks to excellent ergonomics, visibility and high driving speeds.

Main Features

- 4-point for high residual capacities
- Compact chassis contributing to an excellent turning radius and low stacking aisle
- Clear view mast and fork carriage
- LDC electronic control (Linde Digital Control)
- Automatic electromagnetic braking
- Electric steering

Driver compartment

Functional driver's compartment with low access step. The specially designed seat supports every operational body movement, with adjustments to suit every operator.

The sideways seating position enables all-around visibility whether the truck is travelling forwards or backwards.

All controls are within easy reach, without having to lift the arm from the armrest. This outstanding design makes for easy

and safe driving. Available with double pedal system, or

with single pedal with direction switch.

Chassis

The chassis construction made of folded steel reduces the number of parts and optimises the welding, ensuring high rigidity and excellent reliability.

A large hinged door gives full access to the components for easy maintenance.

Transmission

Series wound 2.0 kW motor directly mounted on a two stage and bevel gearbox. This unit enables high driving performance. The compact gear unit is mounted offcentered on the right and can rotate 180°.

Electric system

The truck is fitted with the advanced 24 V LDC drive control.

This MOS-FET controller provides exceptionally high acceleration and smooth operation.

Starts in gradients are safe as the LDC prevents the truck from rolling back. An automatic counter-current braking is applied when releasing the pedals (Linde brake control).

Electric steering

Smooth and precise LES-steering (Linde electrical steering) providing low effort and exceptional ergonomics. The position of the drive wheel is controlled by a microprocessor and a sensor. This construction ensures a constant and direct link between the position of the drive wheel and the steering wheel.

Wheels and pallet arms

The truck is fitted with an off-centre rubber drive wheel and a twin pivoting castor wheel. Polyurethane load wheels are equipped with a shrink-wrap protection. Various fork lengths are available.

Lifting

Compact, high output, low consumption motor-driven pump, including a 3.0 kW motor (rating 15%) a high pressure gear pump, a 8-litre hydraulic tank.

Braking

Three independent braking systemsAutomatic counter-current braking

- when releasing the pedals (LBC)
- Foot operated electromagnetic brake on the drive motor
- Automatic parking brake applied when the driver steps of the truck

Safety

- Three independent braking systems
- No sharp edges
- Wheels turn within the confines of the chassis
- Excellent stability
- The operator is always protected within the contours of the driver compartment
- Check of all potential short-circuits at start-up
- Emergency stop button

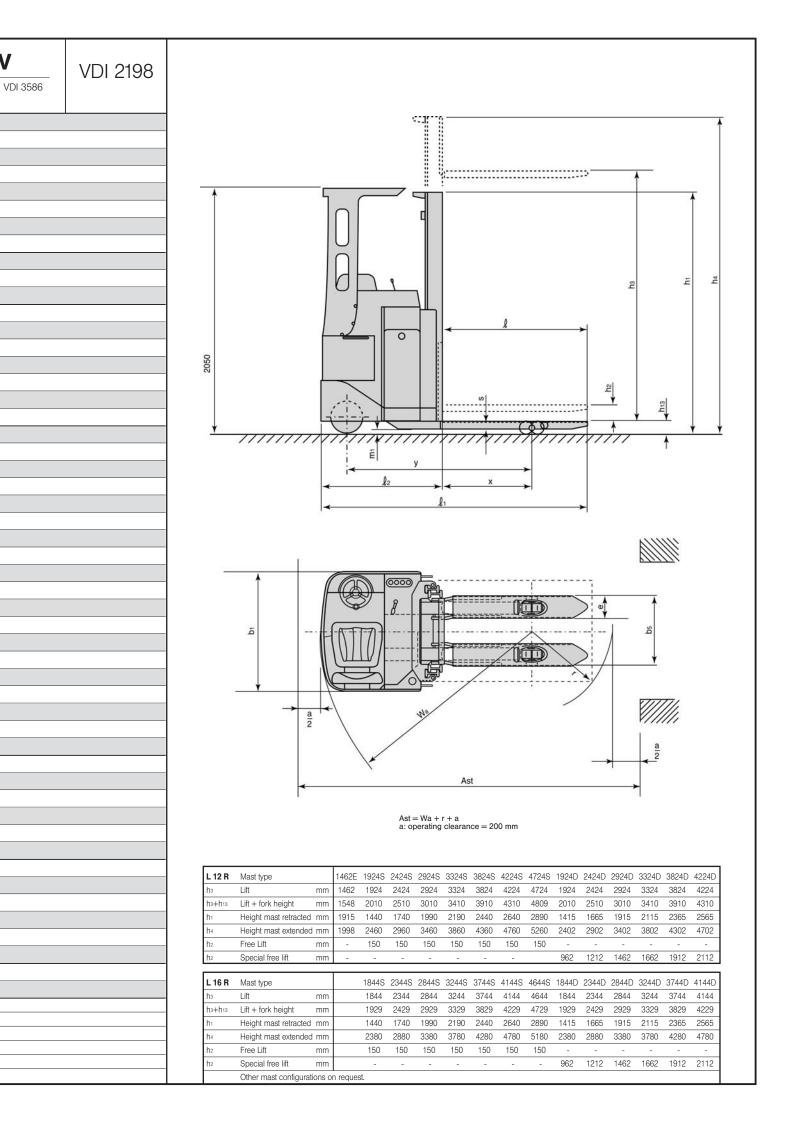
LINDE

Pallet Stacker Designation to VDI 3586

Data sheet for materials handling equipment

EF^V Abbreviation to

	-	002					
	1.1	Manufacti	ırer		Linde	Linde	
	1.2	Model designation			L 12 R	L 16 R	
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power			Battery	Battery	
	1.4	Operation	: manual, pedestrian, stand-on, seated, order picker		Seated Rider	Seated Rider	
	1.5	Load capacity		Q (kg)	1200	1600	
	1.6	Load centre		c (mm)	600	600	
	1.8	Axle centre to fork face		x (mm)	703 (717) ³)	666 (680) ³)	
	1.9	Wheelbase		y (mm)	1420	1420	
T	2.1	Service weight		kg	1560 ¹)	1560 ¹)	
-	2.2	Axle load	with load, front/rear	kg	1650/1110	1960/1200	
-	2.3	Axle load	without load, front/rear	kg	515/1045	1515/1045	
	3.1	Tyres, front/rear (SE = Superelastic, P = Polyurethane)			G+P/P	G+P/P	
	3.2	Tyre size,	front		250 x 100	250 x 100	
	3.3	Tyre size,	rear		4 x 85 x 60	4 x 85 x 60	
Ī	3.4	Auxiliary \	wheels (dimensions)		2 x 125 x 45	2 x 125 x 45	
ľ	3.5	Wheels, n	umber front/rear (x = driven)		1 x + 2/4	1 x + 2/4	
	3.6	Track wid	th, front	b10 (mm)	653	653	
ľ	3.7	Track wid	th, rear	b11 (mm)	380	380	
t	4.2	Height of	mast, lowered	h1 (mm)	1740 2)	1740 2)	
ľ	4.3	Free lift		h2 (mm)	150 ²)	150 ²)	
-	4.4	Lift		h3 (mm)	2424 2)	2424 2)	
ŀ	4.5		mast, extended	h4 (mm)	2960 ²)	2960 2)	
ľ	4.6	Initial lift h		h5 (mm)	(130) 3)	(130) 3)	
ŀ	4.7		overhead guard (cabin)	he (mm)	2050	2050	
ŀ	4.8	Seat heigh		h7 (mm)	910	910	
ľ	4.15		ht, lowered	h13 (mm)	85	85	
ŀ	4.19	Overall le	•	lı (mm)	2116 (2130) ³)	2153 (2167) 3)	
ŀ	4.20	Length to		l2 (mm)	966 (980) ³)	1003 (1017) 3)	
	4.21	Overall wi		b1/b2 (mm)	950	950	
ŀ	4.22	Fork dime		s/e/l (mm)	55/180/1150	55/180/1150	
	4.24		ork carriage	b3 (mm)	750	750	
ŀ	4.25	Fork spre		b5 (mm)	560	560	
	4.31		learance, mast	. ,	27	27	
ŀ	4.32		learance, centre of wheelbase	m1 (mm) m2 (mm)	26	26	
	4.33		h with pallets 1000 x 1200 across forks	Ast (mm)	2540 (2560) ³) ⁴)	2550 (2570) 3) 4)	
-	4.33		h with pallets 800 x 1200 along forks	Ast (mm)	2510 (2520) 3) 5)	2530 (2540) 3) 5)	
	4.34	Turning ra		Wa (mm)	1670 (1695) ³)	1670 (1695) ³)	
ł	4.35 5.1			. ,	8.2/9.2	8.2/9.2	
		· · ·	eed, with/without load	km/h			
ŀ	5.2 5.3		eed, with / without load	m/s	0.138/0.200	0.138/0.200	
			-1	m/s			
ŀ	5.7	-	ability, with / without load	%	3/7	3/7	
ŀ	5.8		climbing ability, with / without load	%	12/17	12/17	
╀	5.10	Service b		1144	Elektromagnetic	Elektromagnetic	
	6.1		or, 60 minute rating	kW	2.0	2.0	
-	6.2		10% rating	kW	3.0	3.0	
	6.3	· · ·	cording to IEC		254-2	254-2	
	6.4		ltage/rated capacity (5 h)	V/Ah	24/440	24/440	
	6.5		eight (± 5%)	kg	377	377	
+	6.6		nsumption in acc. with VDI cycle	kWh/h	_	_	
	8.1		rive control		LDC Digital Control	LDC Digital Control	
4	8.4						
$\left \right $,	With battery as per line 6.4. For other masts see table.					
-	,	In brackets for initial lift option. (L12Ri/16Ri models)					
ŀ	,		alculation method, L 12 R = 2165 mm; L 16 R = 2203	mm.			



Equipment









Standard equipment

- Chassis width 950 mm
- Electric steering (LES)
- Forks: 560 mm x 1150 mm
- Rubber drive wheel and polyurethane twin castor wheel. Tandem polyurethane load wheels
- LDC drive control
- Horn, Key switch
- Emergency stop button
- Battery cable and plug
- Battery mounted on rollers for side removal
- Three independent braking systems, including automatic braking
- Operator's handbook and spare parts catalogue
- –10°C protection
- Truck complies with EC directives

Battery and charger

- 24 V batteries with capacities ranking from 440 Ah bis 720 Ah are available
- Large choice of wall-mounted battery chargers

Options

- Alternative mast types and heights (with or without free lift, up to 4809 mm total lift height)
- Alternative fork dimensions
- Single or double pedal system
- Polyurethane, non-marking or
- grooved rubber drive wheel
- Combined instrument: hourmeter and battery discharge indicator with lift cut-out
- Initial lift with level compensator (L12Ri/L16Ri models)
- Load backrest
- Working lamp
- Fabric driver seat or PVC seat
- Battery trolley or stand for one or two batteries
- Supplementary battery cable and plug
- Supplementary set of documentation
- Cold store protection 30°C

Other options available on request.

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Linde AG, Linde Material Handling Division Postfach 10 01 36, 63701 Aschaffenburg, Germany Phone +49-60 21-99-0, Fax +49-60 21-99-15 70 www.linde-forklifts.com, info@linde-forklifts.com

