

Electric Double-Deck Pallet Stackers 1200 and 2000 kg

Linde

L 12 LS



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The **L12LS** pallet truck and stacker is designed to carry and load two super-imposed pallets at the same time: one on the fork and the other on the load arms. This arrangement optimises the volume, as well as the speed of loading and unloading lorries. The L12LS can thus be used as a normal stacker to store loads in stores and warehouses or as a pallet truck for transferring loads over medium to long distances.

Principal characteristics

- Electric power steering
- 790 mm chassis width, less than the Euro pallet
- Linde-Info-Display (LID)

- Double set of forks (forks and load arms) for taking 2 pallets at the same time
- Microprocessor controller which can be entirely parametered in accordance with your applications
- Automatic braking immediately after the accelerator is released
- Excellent stability ensured by 4 contact points.

Lifting system

The truck is fitted with a double system of forks that enable two pallets to be taken at the same time for a total weight of 2000 kg, with a maximum of 1200 kg on the mast-mounted forks and of 2000 kg on the load arms.

The main lift is fitted with a compact, high efficiency motorised pump comprising a 2.2 kW motor, a high pressure gear pump, a reservoir fitted with a filter and a safety valve.

The initial lift of the load arms is fitted with the lift motorised pump unit of the T 20 S.

Mast

The L12LS is fitted with a standard, free lift duplex or compact triplex mast. It is perfectly suited for performing stacking operations in low headroom environments, such as lorry trailers.

LINDE		Double-Deck Pallet Stackers		Data sheet for material handling equipment		EGV to VDI 3586		VDI 2198	
November 2003		Designation to VDI 3586 (supplementary to Linde data sheet T 20 S)							
Characteristics	1.1	Manufacturer			Linde				
	1.2	Model designation			L 12 LS				
	1.5	Load capacity			Q (kg)	1200/2000			
	1.6	Load centre			c (mm)	600			
	1.8	Axle centre to fork face			x (mm)	945			
Weights	1.9	Wheelbase			y (mm)	1856			
	2.1	Service weight			kg	1538			
	2.2	Axle load with load, drive side / load side			kg	1428/2110			
Wheels	2.3	Axle load without load, drive side / load side			kg	1066/472			
	3.1	Tyres: Bands, Polyurethane (P), Rubber (R)			R + P/P				
	3.2	Tyre size, drive side			mm	250 x 105			
	3.3	Tyre size, load side			mm	2 x 85 x 60			
	3.4	Auxiliary wheels (dimensions)			mm	2 x 140 x 50			
	3.5	Wheels, number drive side / load side (x = driven)			1x + 1/4				
	3.6	Track width, drive side			mm	490			
Dimensions	3.7	Track width, load side			mm	380			
	4.2	Height of mast, lowered			h ₁ (mm)	1335			
	4.3	Free lift			h ₂ (mm)	150			
	4.4	Lift			h ₃ (mm)	1524			
	4.5	Height of mast, extended			h ₄ (mm)	2175			
	4.15	Fork height, lowered			h ₁₃ (mm)	86			
	4.19	Overall length			l ₁ (mm)	2236			
	4.20	Length to forks face			l ₂ (mm)	1086			
	4.22	Fork dimensions			s/e/l (mm)	55/180/1150			
	4.24	Width of fork carriage			b ₃ (mm)	705			
	4.25	Fork spread, min / max			b ₅ (mm)	560			
	Performance	4.31	Ground clearance, under the mast			m ₁ (mm)	20		
4.32		Ground clearance, centre of wheelbase			m ₂ (mm)	22			
4.34		Aisle width with 800 x 1200 pallet lengthwise			A _{st} (mm)	2700			
4.35		Turning radius			W _a (mm)	2030			
5.1		Travel speed, with / without load			km/h	9.0/10.0			
5.2		Lifting speed, with / without load			cm/s	0.10/0.13			
5.3		Lowering speed, with / without load			cm/s	0.35/0.20			
6.2	Initial lift/Main lift motors, 15% rating			kW	1.0/2.2				

For further values, please refer to T 20 S data sheet.

