



Stand-on Double Stacker Capacity 1200 kg D12 S, D12 SF

Series 1164

Safety

High performance combined with safety. The operator's body remains safely within the chassis contours at all times. A deadman foot switch ensures instant braking response when necessary. The truck comes rapidly to a smooth stop thanks to an electromagnetic brake which acts proportionally to the load on the forks. Due to its compact chassis, the fork tips are easily visible ensuring safe load handling.

Performance

One of the truck's great strengths is its productivity. With capacity up to 2,000 kg, and a powerful maintenance-free 3 kW drive motor providing a maximum speed of 10 km/h, the Linde Stand-on Double Stacker is designed to load/unload and transfer two double-stacked pallets simultaneously, but can also be used as a normal stacker to store and retrieve loads in narrow aisles and for rapid pallet transfer applications.

Comfort

The fully suspended operator compartment, completely decoupled from the chassis keeps the driver concentrated and maintains high efficiency levels throughout the shift. Allied with a padded backrest, the operator's stability is assured.

Reliability

Rugged construction and the use of tried and tested components make this a truck that can be relied on. Smooth fork entry into close pallets is assured by the profiled shape of the fork tips and the entry skid. These features guarantee a longer operating life combined with fast, safe and easy load handling.

Service

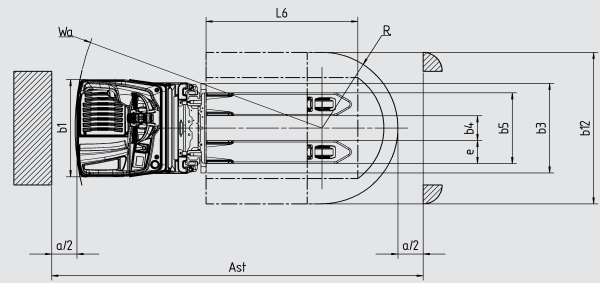
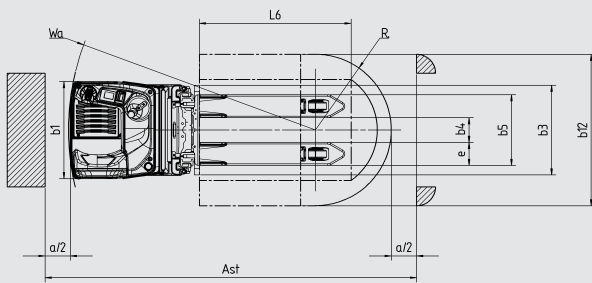
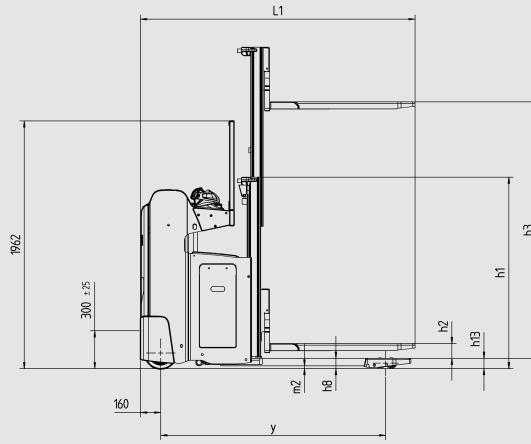
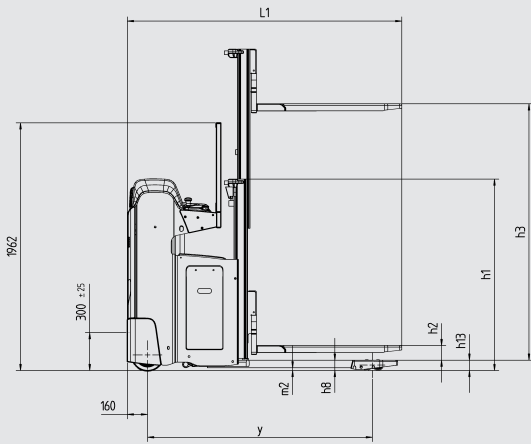
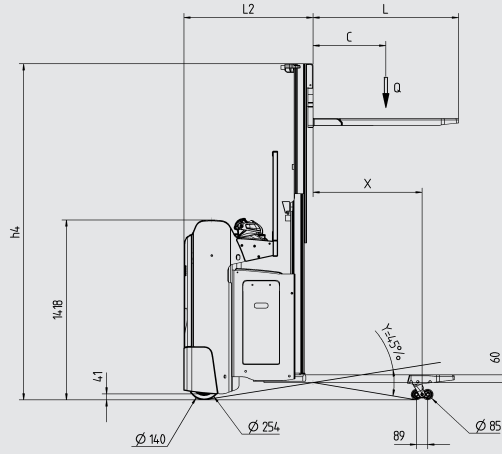
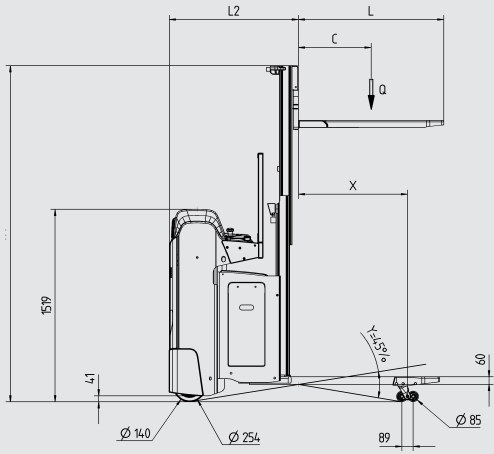
Efficiency at work and efficiency in servicing with cost effective maintenance routine. Easy access to all components and maintenance-free technology also play their part in increasing truck uptime and availability. CAN bus connectivity provides a computerised diagnostic system for rapid analysis to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

Linde Material Handling

Linde

Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer		LINDE	LINDE
	1.2	Manufacturer's type designation		D12S	D12SF
	1.2a	Series		1164-00	1164-00
	1.3	Power unit		Battery	Battery
	1.4	Operation		Stand on	Stand on
	1.5	Load capacity/Load	Q (t)	1.2 / 2.0 ⁹⁾	1.0 / 2.0 ¹⁾
	1.6	Load centre distance	c (mm)	600	600
	1.8	Axle centre to fork face	x (mm)	860 (745) ^{2),3)}	860 (745) ^{2),3)}
	1.9	Wheelbase	y (mm)	1780 (1665) ^{2),3),4)}	1780 (1665) ^{2),3),4)}
Weights	2.1	Service weight	(kg)	1348 ^{5),6)}	1348 ^{5),6)}
	2.2	Axle load with load, front/rear	(kg)	1255 / 2093 (1117 / 2231) ^{7),8)}	1255 / 2093 (1117 / 2231) ^{7),8)}
	2.3	Axle load without load, front/rear	(kg)	943 / 405 ^{5),6)}	943 / 405 ^{5),6)}
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		V+P/P ^{9),10)}	V+P/P ^{9),10)}
	3.2	Tyre size, front		Ø 254 x 102	Ø 254 x 102
	3.3	Tyre size, rear		Ø 85 x 85 (2x Ø 85 x 60) ¹¹⁾	Ø 85 x 85 (2x Ø 85 x 60) ¹¹⁾
	3.4	Auxiliary wheels (dimensions)		2x Ø 140 x 50	2x Ø 140 x 50
	3.5	Wheels, number front/rear (x = driven)		1x + 2 / 2 (1x + 2 / 4) ¹²⁾	1x + 2 / 2 (1x + 2 / 4) ¹²⁾
	3.6	Track width, front	b10 (mm)	484 ⁹⁾	484 ⁹⁾
	3.7	Track width, rear	b11 (mm)	380 ⁹⁾	380 ⁹⁾
Dimensions	4.2	Height of mast, lowered	h1 (mm)	1315 ⁹⁾	1315 ⁹⁾
	4.3	Free lift	h2 (mm)	795 ⁹⁾	795 ⁹⁾
	4.4	Lift	h3 (mm)	1724 ⁹⁾	1724 ⁹⁾
	4.5	Height of mast, extended	h4 (mm)	2244 ⁹⁾	2244 ⁹⁾
	4.6	Initial lift	h5 (mm)	125	125
	4.15	Height, lowered	h13 (mm)	86	86
	4.19	Overall length	l1 (mm)	2170 ^{9),13)}	2170 ^{9),13)}
	4.20	Length to fork face	l2 (mm)	1020 ^{9),13)}	1020 ^{9),13)}
	4.21	Overall width	b1/b2 (mm)	770 ⁹⁾	770 ⁹⁾
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	55 x 180 x 1150 ¹³⁾	55 x 180 x 1150 ¹³⁾
	4.24	Width of fork carriage	b3 (mm)	710 ⁹⁾	710 ⁹⁾
	4.25	Fork spread	b5 (mm)	560 ⁹⁾	560 ⁹⁾
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	196	196
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	20 ¹³⁾	20 ¹³⁾
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2766 (2802) ^{9),13),14)}	2766 (2802) ^{9),13),14)}
4.34.2	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2675 (2756) ^{9),13),14)}	2675 (2756) ^{9),13),14)}	
4.35	Turning radius	Wa (mm)	1950 ⁹⁾	1950 ⁹⁾	
Performance	5.1	Travel speed, with/without load	(km/h)	10 / 10 ¹⁶⁾	10 / 10 ¹⁶⁾
	5.2	Lifting speed, with/without load	(m/s)	0.013 / 0.023 (0.064 / 0.089) ^{9),10)}	0.013 / 0.023 (0.064 / 0.089) ^{9),10)}
	5.3	Lowering speed, with/without load	(m/s)	0.045 / 0.032 (0.073 / 0.075) ^{9),10)}	0.045 / 0.032 (0.073 / 0.075) ^{9),10)}
	5.8	Maximum climbing ability, with/without load	(%)	13.0 / 20.0	13.0 / 20.0
	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)	2.2	2.2
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 535 / B	43 535 / B
	6.4	Battery voltage/rated capacity (5h)	(V)/(Ah)	24 / 345/375	24 / 345/375
	6.5	Battery weight (± 5%)	(kg)	287	287
	6.6	Power consumption according to VDI cycle	(kWh/h)	1.01	1.01
8.1	Type of drive unit		LAC	LAC	
10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	67 ¹³⁾	67 ¹³⁾	
1)		Load distribution e.g. 1000 kg on the forks, 1000 kg on the fork arms. Total load max. 2000 kg.	9)	Solid rubber + polyurethane / polyurethane	
2)		Figures in parenthesis with initial lift	10)	Figures in parenthesis with tandem load wheels.	
3)		(± 5 mm)	11)	Reach legs 75x150x1115	
4)		± 0 mm = 3 PzS lateral; + 100 mm = 3 PzS vertical and 4PzS lateral; + 150 mm = 4 PzS vertical; + 225 mm = 4 PzS vertical	12)	(± 2 mm)	
5)		Figures with battery, see line 6.4/6.5.	13)	Including a 200 mm (min.) operating aisle clearance.	
6)		(± 10%)	14)	(± 5%)	
7)		Load: 2000 kg	15)	(± 2,5)	
8)		Drive Wheel Option: rubber non marking, Polyurethane and wet grip			



Features

Fully suspended operator compartment

- Standard on all truck versions (S and SF)
- Decoupled stand-on platform and drive unit from the chassis (S and SF)
- Comfortable and curved padded backrest (S)
- Significant reduction of vibrations transmitted to the body
- Ergonomic 90° driving position (S)



Multiple driving positions

- Side (S) version: vertical to forks direction
- Tip Control, an innovative drive and lift control unit
- Steering wheel on right or left side
- Ergonomic driving position with comfortable backrest
- Stand Front (SF) version: in forks direction
- Twin grip handle bar

Narrow chassis

- Chassis width = 770mm
- Small I2 dimension = 800mm
- High maneuverability when operating in lorries or confined spaces
- High stand-on position for good visibility
- Stable 4 point configuration

Tip Control

- Traction, lift controls and horn grouped in one single ergonomic unit
- Enables one-handed operations
- High modularity: either left or right side
- Height adjustable hand platform
- Available on Side (S) version

Drive control and settings

- Steering effort adjusts automatically to speed and turning radius
- Speed is automatically reduced in relation to the steering angle
- Power settings available
- ECO-Mode up to 12% energy savings to finish shift with low battery status



Workstation

- Multifunctional coloured display with easy & ergonomic menu structure
- Truck access control by PIN code or ignition key
- Wide and deep storage compartment for work gloves, writing utensils etc
- Support clipboard DIN A4, flashing beacon available as option

Battery & chargers

- Battery tray for DIN batteries
- 24V batteries: capacities from 345 Ah (3PzS) to 500 Ah (4PzS)
- Lateral battery change with ergonomic battery lever & spring (option)

AC motor

- Powerful, 3 kW drive motor
- Maintenance-free, moisture and dust proof AC motor
- Three power settings
- Gradient performance of max. 15% (laden)
- No roll back on gradient starts
- High torque motor negotiates loading docks with ease

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.

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