

Pallet Stacker

L06-L16 AC EX

Capacity 0.6 t – 1.6 t | Series 1171-25

Versatile Powerhouse

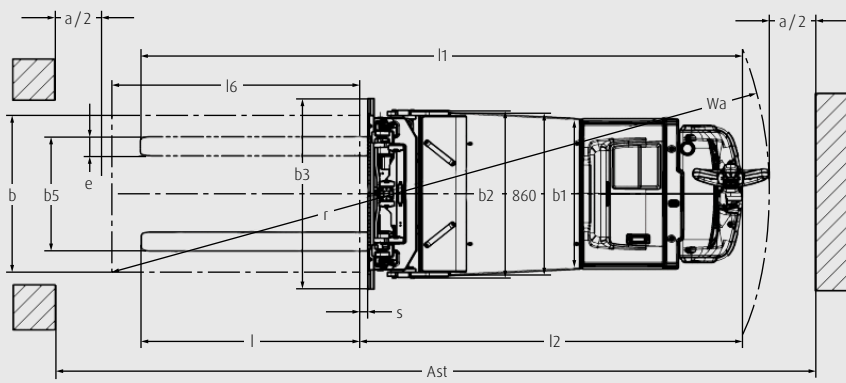
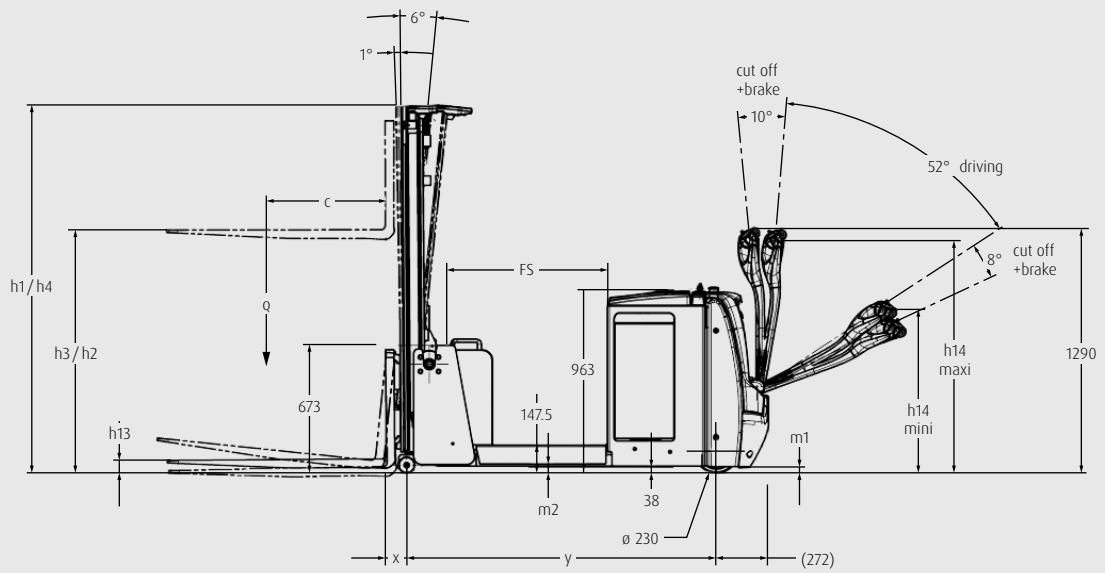
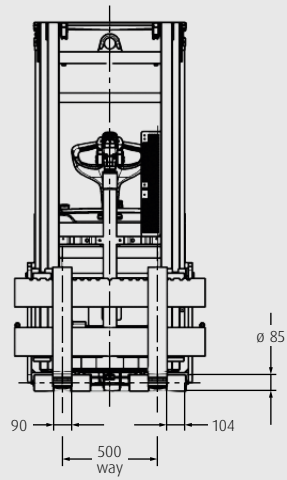
- Long tiller and precise power steering for optimum handling and maneuverability
- ISO standard forks for handling all types of pallets
- Ergonomically shaped handle with all-round design for hand protection
- Long, low-mounted tiller for sufficient safety distance to the chassis
- Automatic speed reduction in curves for anti-tip protection and maximum driving safety

TECHNICAL DATA (According to VDI 2198)

Characteristics	1.1	Manufacturer	Linde	Linde	Linde	Linde	
	1.2	Model	L06 AC EX	L10 AC EX	L12 AC EX	L16 AC EX	
	1.2.a	Series	1171-25	1171-25	1171-25	1171-25	
	1.3	Power unit	Battery	Battery	Battery	Battery	
	1.4	Operation	Pedestrian	Pedestrian	Pedestrian	Pedestrian	
	1.5	Load capacity/Load	Q (t)	0.6	1.0	1.2	1.6
	1.6	Load centre distance	c (mm)	500	500	500	500
	1.8	Axle centre to fork face	x (mm)	107	107	107	107
	1.9	Wheelbase	y (mm)	914	1264	1264	1626
Weights	2.1	Service weight	(kg)	1775 ²⁾	1911 ²⁾	1935 ²⁾	2135 ²⁾
	2.2	Axle load with load, front/rear	(kg)	582/1793 ²⁾	649/2262 ²⁾	554/2581 ²⁾	728/3007 ²⁾
	2.3	Axle load without load, front/rear	(kg)	980/795 ²⁾	1129/782 ²⁾	1130/805 ²⁾	1325/810 ²⁾
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		PU wet grip	PU wet grip	PU wet grip	PU wet grip
	3.2	Tyre size, front		Ø 230 × 100	Ø 230 × 100	Ø 230 × 100	Ø 230 × 100
	3.3	Tyre size, rear		Ø 85 × 105	Ø 85 × 105	Ø 85 × 105	Ø 85 × 105
	3.5	Wheels, number front/rear (x = driven)		1x/4	1x/4	1x/4	1x/4
	3.6	Track width, front	b10 (mm)	-	-	-	-
	3.7	Track width, rear	b11 (mm)	500	500	500	500
	Dimensions	4.1	Mast/fork carriage tilt, forward/backward	a/b (°)	1.0/6.0	1.0/6.0	1.0/6.0
4.2		Height of mast, lowered	h1 (mm)	1515	1515	1515	1515
4.3		Free lift	h2 (mm)	150	150	150	150
4.4		Lift	h3 (mm)	1924	1924	1924	1844
4.5		Height of mast, extended	h4 (mm)	2485	2485	2485	2405
4.9		Height of tiller arm in operating position, min/max	h14 (mm)	857/1222	857/1222	857/1222	857/1222
4.15		Height, lowered	h13 (mm)	67	67	67	67
4.19		Overall length	l1 (mm)	2465 ²⁾	2812 ²⁾	2812 ²⁾	3176 ²⁾
4.20		Length to fork face	l2 (mm)	1311	1658	1658	2022
4.21		Overall width	b1/b2 (mm)	790/890	790/890	790/890	790/890
4.22		Fork dimensions DIN ISO 2331	s/e/l (mm)	51 × 108 × 1154 ²⁾	51 × 108 × 1154 ²⁾	51 × 108 × 1154 ²⁾	51 × 108 × 1154 ²⁾
4.23		Fork carriage to ISO 2328, class/type A, B		2B	2B	2B	2B
4.24		Width of fork carriage	b3 (mm)	1000	1000	1000	1000
4.25		Fork spread	b5 (mm)	233/934 ²⁾	233/934 ²⁾	233/934 ²⁾	233/934 ²⁾
4.31		Ground clearance, below mast	m1 (mm)	30	30	30	30
4.32		Ground clearance, centre of wheelbase	m2 (mm)	38 ²⁾	38 ²⁾	38 ²⁾	38 ²⁾
4.34.1		Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2783 ¹⁾	3133 ¹⁾	3133 ¹⁾	3495 ¹⁾
4.34.2	Aisle width with pallet 800 × 1200 along forks	Ast (mm)	2891 ¹⁾	3241 ¹⁾	3241 ¹⁾	3603 ¹⁾	
4.35	Turning radius	Wa (mm)	1324	1674	1674	2036	
Performance	5.1	Travel speed, with/without load	(km/h)	5/6	5/6	5/6	5/6
	5.2	Lifting speed, with/without load	(m/s)	-	0.15/0.3	0.15/0.3	0.15/0.3
	5.3	Lowering speed, with/without load	(m/s)	-	0.45/0.35	0.45/0.35	0.45/0.35
	5.10	Service brake		Electro-magnetic	Electro-magnetic	Electro-magnetic	Electro-magnetic
Drive	6.1	Drive motor rating S2 60 min	(kW)	2.3	2.3	2.3	2.3
	6.2	Lift motor rating at S3 15 %	(kW)	2.2	3.2	3.2	3.2
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		40540 B/3 PzS	40540 B/3 PzS	40540 B/3 PzS	40540 B/4 PzS
	6.4	Battery voltage/rated capacity (5 h)	(V/Ah)	24/270	24/270	24/270	24/500
	6.5	Battery weight (± 5 %)	(kg)	253	253	253	368
	6.6	Power consumption according to VDI cycle	(kWh/h)	0.72	1.19	1.19	1.45
	6.7	Turnover output	(t/h)	26.4	50.4	50.4	67.0
	6.8	Turnover efficiency according to VDI 2198	(t/kWh)	21	30	30	35
Others	8.1	Type of drive unit		LAC	LAC	LAC	LAC
	10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	63	61	61	61

1) Including a 200 mm (min.) operating aisle clearance

2) These values differ from the values of a standard vehicle due to the Ex-version



STANDARD AND OPTIONAL EQUIPMENT

Model/Equipment		L06 AC EX 3G/3D	L10 AC EX 3G/3D	L12 AC EX 3G/3D	L16 AC EX 3G/3D
Safety	ATEX protection package Zone 2/Zone 22	○	○	○	○
	Constant monitoring of ATEX relevant safety values and wear	●	●	●	●
	Long tiller with low mounting point ensures large safety clearance between operator and chassis	●	●	●	●
	Log-in PIN code	●	●	●	●
Service	CAN-bus technology	●	●	●	●
	Linde Ex-Monitoring App for quick and efficient diagnosis of ATEX-relevant values	●	●	●	●
	Maintenance-free three-phase drive and steering motors for the EX area	●	●	●	●
	Central 24/7 provision of standard and ATEX spare parts	●	●	●	●
Digitalisation	Condition Monitoring of ATEX relevant safety values via Linde EX-Monitoring App	●	●	●	●
	Linde connect	○	○	○	○
	ac: access control PIN or RFID	○	○	○	○
	dt: crash detection	○	○	○	○
Operation / Load Handling	an: usage analysis	○	○	○	○
	Soft landing of forks	○	○	○	○
	Ultra fast lifting	○	○	○	○
	Load backrest 1000 mm	○	○	○	○
Workplace	Multifunction instrument display of hour meter, battery discharge, fault code and maintenance indication	●	●	●	●
	Additional display for ATEX relevant condition monitoring	●	●	●	●
	Spacious storage compartments	●	●	●	●
	Accessory support	○	○	○	○
	Clipboard DIN A4	○	○	○	○
Mast	Standard mast	○	○	○	○
	Duplex mast	○	○	○	○
	Triplex mast	○	○	○	○
	Tilting mast (+1°/-6°) (on the L10/12/16 AC)	–	○	○	○
	Mast protection: polycarbonate	●	●	●	●
Attachment / Forks	Mast protection: mesh	○	○	○	○
	Fork carriage: 800 mm ISO2B	●	●	●	●
	Fork carriage: 900 mm ISO2B	–	○	○	○
	Fork carriage: 1000 mm ISO2B	–	○	○	○
	Forks 1000/90 × 50 mm VA, coated in stainless steel	●	●	●	–
	Forks 1100/90 × 50 mm VA, coated in stainless steel	○	○	○	–
	Forks 1200/90 × 50 mm VA, coated in stainless steel	○	○	○	–
	Forks 1000/110 × 55 mm VA, coated in stainless steel	–	–	–	●
	Forks 1100/110 × 55 mm VA, coated in stainless steel	–	–	–	○
Forks 1200/110 × 55 mm VA, coated in stainless steel	–	–	–	○	
Axles and Tyres	Polyurethane wet grip drive wheels	●	●	●	●
	Polyurethane load wheels	●	●	●	●
Drive and Brake-system	Power assisted steering	●	●	●	●
	2.3 kW AC motor (maintenance free)	●	●	●	●
	Electromagnetic braking systems	●	●	●	●
	Battery compartment, vertical change 3 PzS (345 Ah/375 Ah)	–	●	●	●
	Battery compartment, vertical change 4 PzS (460 Ah/500 Ah)	–	○	○	○
	Battery compartment, side change 3 PzS (345 Ah/375 Ah), incl. ergonomic lever and metal rollers	●	○	○	○
	Battery compartment, side change 4 PzS (460 Ah/500 Ah), incl. ergonomic lever and metal rollers	–	○	○	○
	Charger plug ATEX loose or fitted	○	○	○	○

● Standard equipment ○ Optional equipment – Not available

CHARACTERISTICS



Counterbalance pallet stacker for application in ATEX zones 2/22



All controls on ergonomic tiller can be easily operated by either hand



Monitoring of ATEX relevant safety values



Quick diagnosis and easy service access

Explosion protection

- Certification and documentation according to ATEX 2014/34/EU and applicable EU norms ensures legal compliance
- Passive protection concept enables zone 2/22 trucks to operate in explosive atmosphere, no shut-down required
- Protection of electrical equipment and protection against mechanically generated sparks, unacceptably high temperatures and dangerous electrostatic charges

Ergonomics

- Operating controls on the console of the tiller head simplify handling
- Long tiller makes maneuvering easier, even in confined spaces
- Lift mast control via handle ensures effortless load handling
- High maneuverability simplifies working in confined spaces

Safety

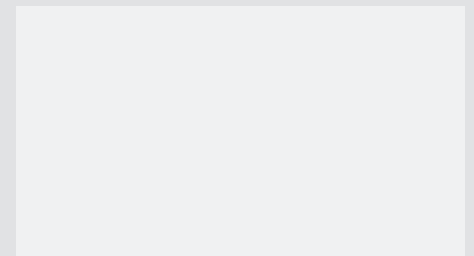
- Constant monitoring of ATEX relevant safety values and wear
- Long, low-mounted tiller ensures sufficient safety clearance between driver and chassis
- Automatic speed adjustment in curves reduces the risk of overturning
- Automatic braking stops the truck as soon as the operator releases the controls

Service

- Maintenance-free three-phase steering and drive motors for the EX area
- On-board diagnostics and CAN-bus interface
- Linde Ex-Monitoring App for quick and efficient diagnosis of ATEX-relevant values
- Rapid access to all truck data for performance parameter settings, trouble shooting, and preventative maintenance
- Central 24/7 provision of standard and ATEX spare parts
- Dense service network with certified technicians

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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