PS12L LI ◆ PS16L LI

Electric stacker with initial lift
1200 and 1600 kg maximum load capacity

DESCRIPTION

PS L LI series is tailored to suit most walkie stacker operations. The load capacity ranges between 1200 and 1600 kg.

The long ergonomic steering handle guarantees the operator is at a safe distance from the stacker.

Stacker operations are faster and more reliable thanks to the proportional lift system.

PS16L LI

FEATURES

- Ergonomic, compact and extremely maneuverable
- Standard Initial lift
- Proportional lift and lower ensure maximum precision
- Powerful, maintenance-free AC Schabmüller motor
- Core components from top leading brands
- The structure has four points of contact for best stability

STANDARD INITIAL LIFT

Initial lift

Thanks to the initial lift, efficiency is increased twofold compared to common stackers. Straddle legs provide high ground clearance for increased travel safety on walkways, ramps, and uneven floors.

Proportional lift / lower

The electronically controlled proportional lift and lower system ensures accurate fork positioning and stacking operations at each height. Proportional lift provides maximized performance when stacking heights are high.

Long handle to improve ergonomics and safety

A long steering handle guarantees the operator is at a safe distance from the stacker and improves ergonomics. Its design ensures less operational effort compared to short-handle stackers. The long lateral handle and four points of contact enhance stability and visibility.

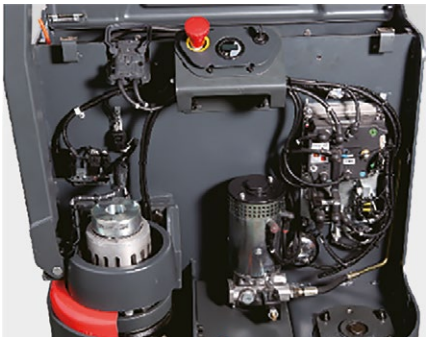
CAN-BUS technology

CAN-Bus eliminates the need for excessive wiring, thus guaranteeing reliability. This technology eases maintenance operations diagnosis and settings. Also, parts last longer with digital signals than analog signals.

CAN-BUS

AC German traction motor

Powerful German Schabmueller AC traction motor, Kordel drive unit, Intorqe brake, and Wicke steering wheels are the perfect combination to provide the best performance, safety, and flexibility under any circumstances. Besides, they also reduce operating costs. AC motor is always ready for action, whether it is a light or strong acceleration.



Easy maintenance

The pallet truck and its parts have been specially designed to perform maintenance and service with ease. With only two screws, the cowl can be easily removed for easy access to all components. Wheels and rollers can be easily replaced without a lifting device.

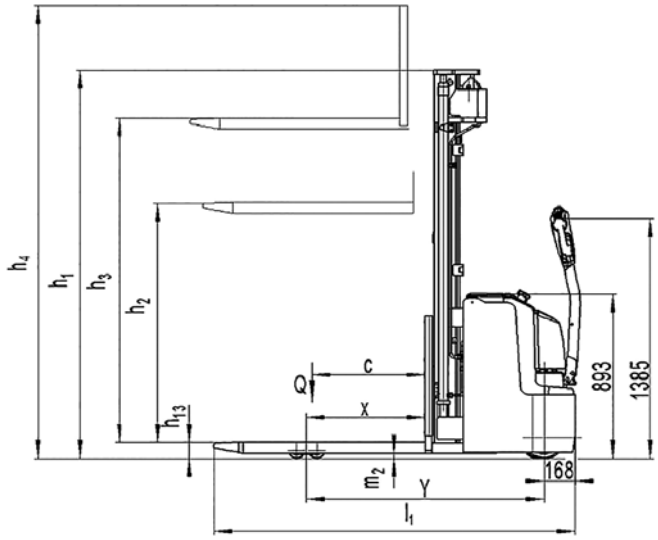
Robust and reliable design

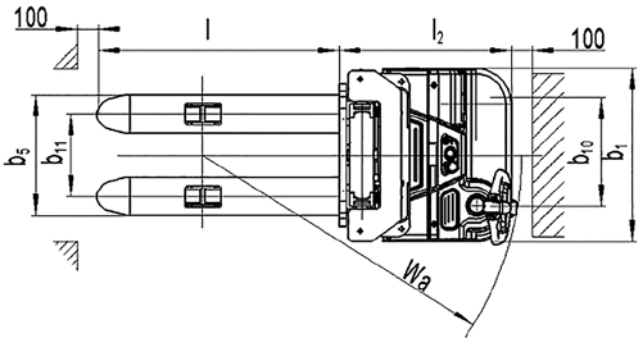
A robust chassis and 8 mm thick mainframe protect the stacker and its parts against impact collisions. The stainless steel battery cover provides enhanced protection reducing maintenance costs and possible damages. The AC motor design can withstand dirty floors in working areas. The controller is protected against dust and splash (IP 54).

HIGH-END COMPONENTS

- **Rema** — Multifunctional **Rema** handle with ergonomic contactless rocker-switches *(German)*
- **Schabmüller** — AC **Schabmüller** traction motor *(German)*
- **Kordel** — **Kordel** drive unit *(German)*
- **Intorq** — **Intorq** brakes *(German)*
- **Wicke** — **Wicke** steering wheels *(German)*
- **Zapi** — **Zapi** electronic controllers *(Italian)*
- **HPI** — **HPI** hydraulics *(French)*
- **SPE / ATIB** — **SPE** or **ATIB** chargers *(Italian)*

High-end components reduce maintenance costs and guarantee high performance and reliability when performing the most intense operations.





Stockman Reference	Mast	Mast lowered height *h1 (mm)*	Free lift *h2 (mm)*	Standard lift *h3 (mm)*	Mast raised height *h4 (mm)*	Weight *(kg)*
PS12L LI						
PS12L29 FFL LI LP		1958	1410	2830	3380	1038
PS12L32 FFL LI LP	**Duplex FFL**	2108	1560	3130	3680	1043
PS12L36 FFL LI LP		2308	1760	3530	4080	1047
PS12L40 FFL LI LP		1908	1310	3930	4600	1150
PS12L43 FFL LI LP	**Triplex FFL**	2128	1420	4230	4900	1170
PS12L46 FFL LI LP		2228	1520	4530	5200	1190
PS16L LI						
PS16L29 FFL LI LP		1958	1410	2830	3380	1255
PS16L32 FFL LI LP	**Duplex FFL**	2108	1560	3130	3680	1270
PS16L36 FFL LI LP		2308	1760	3530	4080	1275
PS16L40 FFL LI LP		1908	1320	3930	4480	1335
PS16L43 FFL LI LP	**Triplex FFL**	2008	1420	4230	4780	1365
PS16L46 FFL LI LP		2108	1520	4530	5080	1380

Technical data according to VDI 2198 regulation					
Specifications	1.2	**Product Reference ◆ Model**		**PS12L FFL LI LP**	**PS16L FFL LI LP**
	1.3	**Power supply**		battery	battery
	1.4	**Operator type**		pedestrian	pedestrian
	1.5	**Load capacity**	*Q (t)*	1,2	1,6
	1.6	**Load center distance**	*c (mm)*	600	600
	1.8	**Distance from carriage to caster axle**	*x (mm)*	647	647
	1.9	**Wheelbase**	*y (mm)*	1248	1293
Weight	2.1	**Weight (batteries included)**	*kg*	*see table opposite*	
	2.2	**Axle load laden front/rear**	*kg*	684/1523	930/2010
	2.3	**Axle load unladen front/rear**	*kg*	610/397	850/490
Wheels	3.1	**Wheels**		polyurethane (PU)	
	3.2	**Steering wheel dimensions**	*Ø x w (mm)*	Ø230 x 70	Ø230 x 70
	3.3	**Load rollers dimensions**	*Ø x w (mm)*	Ø85 x 75	Ø85 x 75
	3.4	**Stabilizing rollers dimensions**	*Ø x w (mm)*	Ø150 x 54	Ø150 x 54
	3.5	**Number of front/rear wheels (x = driving wheel)**		1x+1/4	1x+1/4
	3.6	**Front axle wheelbase**	*b10 (mm)*	522	522
	3.7	**Load roller wheelbase**	*b11 (mm)*	390/505	390/505
Dimensions	4.2	**Mast lowered height**	*h1 (mm)*	*see table opposite*	
	4.3	**Free lift**	*h2 (mm)*	*see table opposite*	
	4.4	**Standard lift**	*h3 (mm)*	*see table opposite*	
	4.5	**Mast raised height**	*h4 (mm)*	*see table opposite*	
	4.6	**Initial lift**	*h5 (mm)*	120	120
	4.9	**Tiller height in drive position min/max**	*h14 (mm)*	850/1385	850/1385
	4.15	**Fork lowered height**	*h13 (mm)*	90	90
	4.19	**Overall length**	*l1 (mm)*	1919	1964
	4.20	**Front axle to fork face length**	*l2 (mm)*	769	814
	4.21	**Overall width**	*b1 (mm)*	820	820
	4.22	**Fork dimensions**	*s/e/l (mm)*	60/180/1150	60/180/1150
	4.25	**Width across forks**	*b5 (mm)*	570/685	570/685
	4.32	**Ground clearance**	*m2 (mm)*	28	28
	4.33	**Aisle width for 1000 x 1200 mm pallets crossways**	*Ast (mm)*	2336	2406
	4.34	**Aisle width for 800 x 1200 mm pallets lengthways**	*Ast (mm)*	2322	2393
	4.35	**Turning radius**	*Wa (mm)*	1440	1510
Performances	5.1	**Travel speed, laden/unladen**	*km/h*	6/6	5,7/6
	5.2	**Lift speed, laden/unladen**	*mm/s*	100/170	130/200
	5.3	**Lowering speed, laden/unladen**	*mm/s*	110/110	140/200
	5.8	**Gradeability laden/unladen**	*%*	6/12	6/12
	5.10	**Service brake**		electromagnetic	
Electrical system	6.1	**Drive motor rating S2 60min**	*kW*	1,3	1,3
	6.2	**Lift motor rating at S3 15%**	*kW*	2,2	2,2
	6.3	**Battery acc. to DIN 43531 / 35 / 36 A, B, C, No**		2 VBS	3 VBS
	6.4	**Battery voltage, nominal capacity K5**	*V/Ah*	24/180	24/270
	6.5	**Battery weight**	*kg*	172 to 175	245 to 255
	6.6	**Energy consumption acc. to VDI cycle**	*kWh/h*	1	1
Additional data	8.1	**Type of drive control**		AC - speed control	
	8.4	**Noise level at driver's ear acc. to EN 12053**	*dB (A)*	<70	<70

RESIDUAL CAPACITY

SX ◆ Single
DX ◆ Duplex
TX ◆ Triplex
SL ◆ Straddle legs
FFL ◆ Full free lift

LI ◆ Initial lift
LP ◆ Proportional lift
DA ◆ Electrical power steering
SC ◆ Built-in weighing scale
CP ◆ Pin code

PS16L LI ◆ PP. 120 TO 123

PS16L29FFLLILP DX
PS16L32FFLLILP DX
PS16L36FFLLILP DX
PS16L40FFLLILP TX
PS16L43FFLLILP TX
PS16L46FFLLILP TX

PS16L29FFLLILP DX

h3 (mm)	Q (kg)	
2900	1400	1200
2500	1600	1300
cdg (mm)	600	700

PS16L32FFLLILP DX

h3 (mm)	Q (kg)	
3200	1200	1000
2900	1400	1200
2500	1600	1300
cdg (mm)	600	700

PS16L36FFLLILP DX

h3 (mm)	Q (kg)	
3600	1000	800
3200	1200	1000
2900	1400	1200
2500	1600	1300
cdg (mm)	600	700

PS16L40FFLLILP TX

h3 (mm)	Q (kg)	
4000	800	600
3600	1000	800
3200	1200	1000
2900	1400	1200
2500	1600	1300
cdg (mm)	600	700

PS16L43FFLLILP TX

h3 (mm)	Q (kg)	
4300	600	500
4000	800	600
3600	1000	800
3200	1200	1000
2900	1400	1200
2500	1600	1300
cdg (mm)	600	700

PS16L46FFLLILP TX

h3 (mm)	Q (kg)	
4600	500	400
4300	600	500
4000	800	600
3600	1000	800
3200	1200	1000
2900	1400	1200
2500	1600	1300
cdg (mm)	600	700