



# PS12L LI ♦ PS16L LI

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

### DESCRIPTION

PS LLI 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.

### 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



PS16L LI



### 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

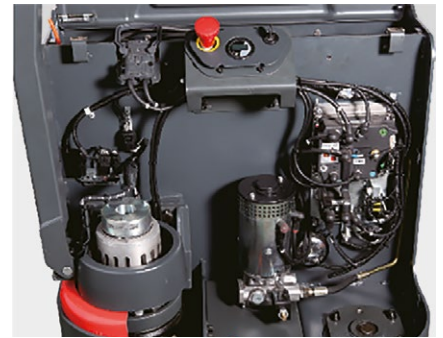
CAN-Bus eliminates the need for excessive wiring, thus guaranteeing reliability. This technology eases maintenance operations diagnosis and settings. Also, parts last longer with digital signals than analog signals.

## 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 main-frame 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 (IP54).

## HIGH-END COMPONENTS



Multifunctional Rema handle with ergonomic contactless rocker-switches  
(German)

AC Schabmüller traction motor  
(German)



KORDEL



Kordel drive unit  
(German)

Intorq brakes  
(German)

INTORQ

Wicke



Wicke steering wheels  
(German)

Zapi electronic controllers  
(Italian)



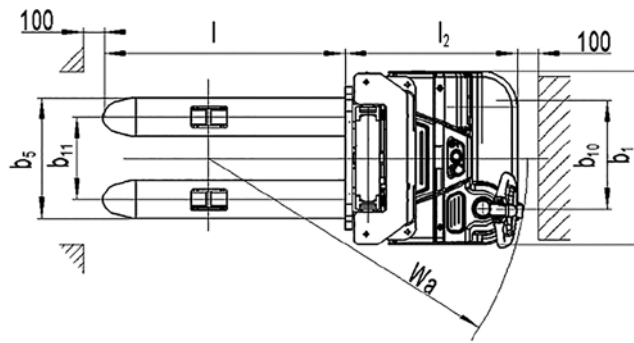
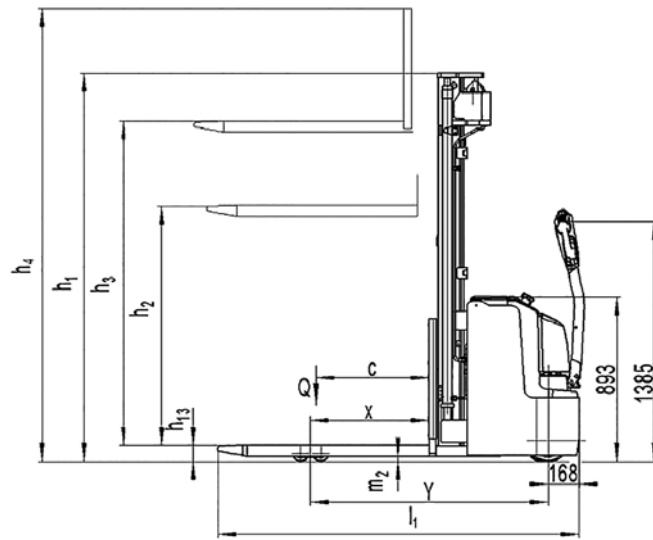
HPI

HPI hydraulics  
(French)

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 $h_1$ (mm)	Free lift $h_2$ (mm)	Standard lift $h_3$ (mm)	Mast raised height $h_4$ (mm)	Weight (kg)
<b>PS12L LI</b>						
PS12L29 FFL LI LP	Duplex FFL	1958	1410	2830	3380	1038
PS12L32 FFL LI LP		2108	1560	3130	3680	1043
PS12L36 FFL LI LP		2308	1760	3530	4080	1047
PS12L40 FFL LI LP	Triplex FFL	1908	1310	3930	4600	1150
PS12L43 FFL LI LP		2128	1420	4230	4900	1170
PS12L46 FFL LI LP		2228	1520	4530	5200	1190
<b>PS16L LI</b>						
PS16L29 FFL LI LP	Duplex FFL	1958	1410	2830	3380	1255
PS16L32 FFL LI LP		2108	1560	3130	3680	1270
PS16L36 FFL LI LP		2308	1760	3530	4080	1275
PS16L40 FFL LI LP	Triplex FFL	1908	1320	3930	4480	1335
PS16L43 FFL LI LP		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		<b>PS12L FLLILP</b>	<b>PS16L FLLILP</b>
	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	Øxw(mm)	Ø230x70	Ø230x70
	3.3	Load rollers dimensions	Øxw(mm)	Ø85x75	Ø85x75
	3.4	Stabilizing rollers dimensions	Øxw(mm)	Ø150x54	Ø150x54
	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 1000x1200 mm pallets crossways	Ast(mm)	2336	2406
4.34	Aisle width for 800x1200 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		2VBS	3VBS
	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 EN12053	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

## PS12L LI ♦ PP. 120 TO 123

PS12L29FFLLILP DX

PS12L32FFLLILP DX

PS12L36FFLLILP DX

PS12L40FFLLILP TX

PS12L43FFLLILP TX

PS12L46FFLLILP TX



PS12L29 FFLLILP DX

h3 (mm)	Q (kg)	
2900	1100	900
2500	1200	1000

cdg (mm)	600	700
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PS12L32FFLLILP DX

h3 (mm)	Q (kg)	
3200	1000	800
2900	1100	900
2500	1200	1000

cdg (mm)	600	700
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PS12L36FFLLILP DX

h3 (mm)	Q (kg)	
3600	800	600
3200	1000	800
2900	1100	900
2500	1200	1000

cdg (mm)	600	700
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PS12L40FFLLILP TX

h3 (mm)	Q (kg)	
4000	500	300
3600	600	400
3200	800	600
2900	1000	800
2500	1200	1000

cdg (mm)	600	700
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PS12L43FFLLILP TX

h3 (mm)	Q (kg)	
4300	450	200
4000	500	300
3600	600	400
3200	800	600
2900	1000	800
2500	1200	1000

cdg (mm)	600	700
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PS12L46FFLLILP TX

h3 (mm)	Q (kg)	
4600	350	150
4300	450	200
4000	500	300
3600	600	400
3200	800	600
2900	1000	800
2500	1200	1000

cdg (mm)	600	700
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