



PS16L SL/PS20L SL

Straddle-leg Electric Pedestrian Stacker with capacities of 1600/2000kg

- Ergonomic, Compact and Safe Long Tiller Design
- Precise Lifting and Lowering with Full Proportional Hydraulic System
- Powerful, Maintenance Free German AC Power Train
- Core Components from Top Quality Brands
- 4 Wheel Structure for Stability



 Long-tiller Design	 Capacity 1600-2000kg	 Easy Maintenance	 High Performance
 Powerful Battery	 Robust Design	 Full Proportional Lift	 CAN-BUS Technology

PS16L SL



INTRODUCTION

- The PS16-20L SL series is tailored to most pedestrian controlled stacking operations with capacities form 1600kg up to 2000kg.
- With the long mounted tiller the operator keeps safe and ergonomic distance to perform his work.
- Due to the gentle operating full proportional lifting system stacking operations becomes more safer and quicker.
- With the high- quality and state of the art top-brand components and technologies, the truck competes with leading well- known brands in the market.



Straddle leg

Adjustable straddle leg design, suitable for diverse pallet sizes and more stability



For every application the right battery capacity

with the PS-L SL series for every truck the right battery:

PS 16L SL with 270 Ah 3VBS battery
PS 20L SL with 350 Ah DIN 3PzS battery for long operations and multi-shifts.

Electronic proportional lifting and lowering

The electronically controlled proportional lifting system ensures accurate positioning and stacking operations at every lifting height.

In specific with high masts the electronic controlled proportional lifting performs at its best.



Long tiller design for ergonomics and safety

In particular through the long tiller design the operator can always keep a safe distance to the truck during proceeding the work very ergonomically.

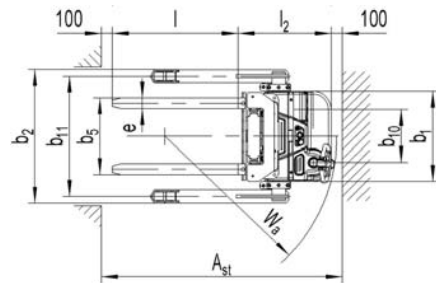
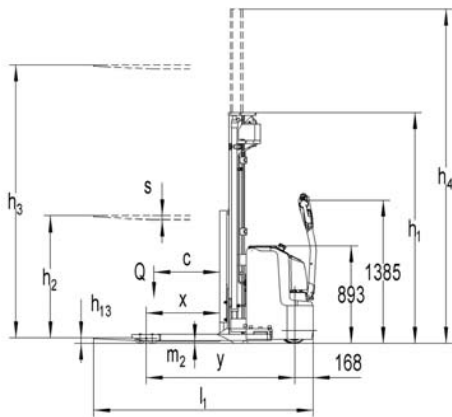
The design ensures lower operational forces than trucks with a short tiller.

The tillers operating height is naturally positioned to ergonomic, operator friendly controlling positions.

Specifically staking operations becomes more ergonomically and quicker due to the safe distance and better view to the forks. The 4 wheel design with the sideways long mounted tiller gives particular an exact and perfect view to the forks.



Designation	Lowered mast height h1(mm)	Free Lift height h2(mm)	Lift height h3(mm)	Extended mast height h4(mm)	Lift+fork height h3+h13(mm)
PS16L SL					
Two stage mast	1958	--	2830	3380	2920
	2108	--	3130	3680	3220
	2308	--	3530	4080	3620
Two stage mast FFL (Full-Free-Lift)	1958	1410	2830	3380	2920
	2108	1560	3130	3680	3220
	2308	1760	3530	4080	3620
Three stage mast	2008	--	4230	4780	4320
	2108	--	4530	5080	4620
Three stage mast FFL (Full-Free-Lift)	1908	1320	3930	4480	4020
	2008	1420	4230	4780	4320
	2108	1520	4530	5080	4620
	2343	1756	5230	5780	5320
PS20L SL					
Two stage mast	2078	--	2830	3500	2920
	2228	--	3130	3800	3220
	2428	--	3530	4200	3620
Two stage mast FFL (Full-Free-Lift)	1978	1310	2630	3300	2720
	2078	1410	2830	3500	2920
	2228	1560	3130	3800	3220
	2428	1760	3530	4200	3620
Three stage mast	2128	--	4230	4900	4320
	2228	--	4530	5200	4620
Three stage mast FFL (Full-Free-Lift)	1978	1310	3930	4600	4020
	2128	1420	4230	4900	4320
	2228	1520	4530	5200	4620



Type sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM

Distinguishing mark	1.2	Manufacturer's type designation		PS 16L SL(4600)	PS 20L SL(4600)	
	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery		
	1.4	Operator type		Pedestrian		
	1.5	Load Capacity / rated load	Q(t)	1.6	2.0	
	1.6	Load centre distance	c(mm)	600		
	1.8	Load distance ,centre of drive axle to fork	x(mm)	692	673	
	1.9	Wheelbase	Y(mm)	1378	1490	
	Weight	2.1	Service weight	kg	1460	1700
		2.2	Axle loading, laden front/rear	kg	1000/2060	1100/2600
2.3		Axle loading, unladen front/rear	kg	1020/440	1010/690	
Tires, chassis	3.1	Tires		Polyurethane (PU)		
	3.2	Tire size, front	Øx w (mm)	Ø230x75		
	3.3	Tire size, rear	Øx w (mm)	Ø65x75		
	3.4	Additional wheels(dimensions)	Øx w (mm)	Ø150x54		
	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/4		
	3.6	Track, front	b10mm	522		
	3.7	Track, rear	b11 (mm)	1095-1395		
Dimensions	4.2	Lowered mast height	h1 (mm)	2108	2228	
	4.3	Free Lift height	h2 (mm)	1520	1520	
	4.4	Lift height	h3 (mm)	4530	4530	
	4.5	Extended mast height	h4 (mm)	5088	5208	
	4.9	Height of tiller in drive position min./ max.	h14mm		850/1385	
	4.15	Height, lowered t	h13mm		50	
	4.19	Overall length	l1mm	2004	2135	
	4.20	Length to face of forks	l2mm	854	985	
	4.21	Overall width	b1mm		820/(1220-1520)	
	4.22	Fork dimensions	s/e/l (mm)		40x120x1150	
	4.25	Distance between fork-arms	b5 (mm)	255-730		
	4.32	Ground clearance, centre of wheelbase	m2mm		33	
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2555	2674	
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2527	2652	
	4.35	Turning radius	Wa (mm)	1680	1790	
Performance data	5.1	Travel speed, laden/ unladen	km/h	5.7/6.0	5.4/6.0	
	5.2	Lift speed, laden/ unladen	m/s		0.13/0.20	
	5.3	Lowering speed, laden/ unladen	m/s		0.20/0.14	
	5.8	Max. gradeability, laden/ unladen	%	6/12	6/10	
	5.10	Service brake			Electromagnetic	
Electric- engine	6.1	Drive motor rating S2 60min	kW	1.3	1.7	
	6.2	Lift motor rating at S3 4,5%	kW		3.2	
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		3/BS	3/PZS	
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/270	24/350	
	6.5	Battery weight	kg	230	298	
	6.6	Energy consumption acc: to VDI cycle	kWh/h	1.59	1.79	
Additional data	8.1	Type of drive control			AC- speed control	
	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)		69	

