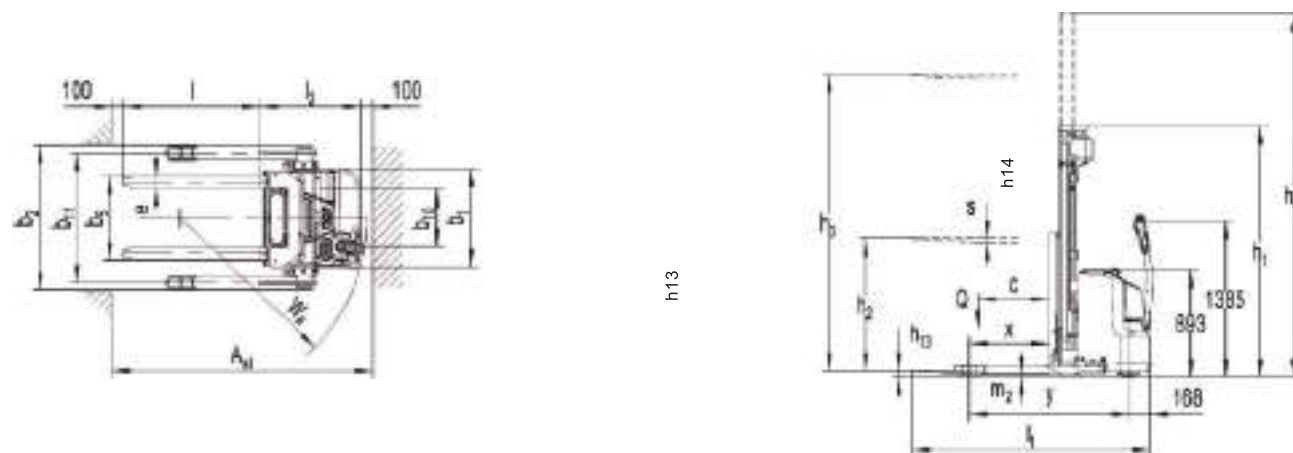


PS16L/20L SL

Straddle-Leg Electric Pedestrian Stacker

INTRODUCTION

The PS 16 - 20L series is tailored to most pedestrian controlled stacking and racking operations with capacities from 1600kg up to 2000kg. With the long tiller the operator stays at a safe and ergonomic distance to perform their work. Due to the ease to operate full proportional lifting system, stacking operations become safer and quicker. With high-quality, state of the art components and technologies the truck competes with all leading international brands.



Lithium Battery Pack

Clean, safe, environmentally-friendly Lithium battery pack, no risk of acid leakage, ideal for food, chemical, or pharmaceutical industries that require a clean environment. Additionally, the fast charge and long life cycle dramatically improves productivity.



NFM Forklift

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NFM Forklift

AUTHORISED DEALER

NOBLELIFT

PS 16L/PS 20L

**Electric Pedestrian
Stacker with
Capacities of
1600/2000kg
Optional Lithium Battery**



ADVANTAGES

- 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 High Quality Brands
- 4 Wheel Structure for Stability

Type sheet for industrial truck acc. to VDI 219				
Distinguishing mark				
1.2	Manufacturer`s type designation		PS16L SL(4600)	PS20L 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	Φ XW(mm)	Φ 230X75	
3.3	Tire size, rear	Φ XW(mm)	Φ 85X75	
3.4	Additional wheels (dimensions)	Φ XW(mm)	Φ 150X54	
3.5	Wheels, number front/ rear(x=driven wheels)		1x+1/4	
3.6	Tread, front	b10(mm)	522	
3.7	Tread, 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.	h14(mm)		850/1385
4.15	Height, lowered	h13(mm)		50
4.19	Overall length	l1(mm)	2004	2135
4.20	Length to face of forks	l2(mm)	854	985
4.21	Overall width	b1(mm)	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	m2(mm)	33	
4.33	Aisle width for pallets 1000X1200 crossways	Ast(mm)	2555	2674
4.34	Aisle width for pallets 1000X1200 lengthways	Ast(mm)	2527	2652
4.35	Turning radius	Wa(mm)	1680	1790
Performance				
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		3VBS	3PZS
6.4	Battery voltage, nominal capacity K5	V/Ah	24/270	24/350
6.5	Battery weight (minimum)	Kg	230	288
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	



For every application the right battery capacity

With the PS-L series every truck has the right battery, Led Acid or optional Lithium-ion:

- PS 12L with 180 Ah 2VBS battery short truck length, good manoeuvrability and for operating restricted areas.
- PS 16L with 270 Ah 3VBS battery
- PS 20L with 350 AH DIN 3PzS battery for long operations and multi0shifts.

Options

- Lithium Ion battery
- Various mast versions
- Load backrest
- Sideways battery exchange for PS 16L and Ps 20L



Maintenance friendly

The trucks design and components combine to make service and maintenance easy. All components are easy to reach with the main cover removed. Drive-and castor wheel are easy to exchange without hoisting the truck.



Electronic proportional lifting and lowering

The electronically controlled proportional lifting system ensures accurate fork positioning for stacking operations at every lift height. With high masts the electronic controlled proportional lifting performs at its best.



Straddle leg

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



Robust and Reliable Design

The robust chassis with strong 8mm thick steel apron protects the truck and the components against impact.

In combination with the strong metal battery cover, the truck is well-equipped to reduce service work and keep damage to a minimum.

Dirty floor environments have less influence due to the vertical AC motor design as the components and the brake are well out of reach of direct impacts. IP 54 protected controller is safe against dust and splashed water.

Optional

Lithium Ion and sideways battery exchange compartment for PT 20L with 210 Ah battery

CAN-BUS

CAN-BUS technology

CANBUS technology uses less wiring and is more reliable than alternative systems. CANBUS technology makes analysis and adjustments easier so that downtime is lower than for trucks without CANBUS. Using digital signals extends parts useful life lasting longer than analogue systems.



Long Tiller Design for Ergonomics and Safety

With the long tiller design the operator can always work comfortably and keep a safe distance from the truck. This design requires lower operator physical force than trucks with a short tiller. The tiller working height is always naturally positioned to deliver the most ergonomic operational control.

Specifically staking operations become easier and quicker due to the safe distance and improved view to the forks. The 4 wheel design with the sideways long mounted tiller gives superior stability loaded and unloaded.

German AC drive technology

The powerful German Schabmueller maintenance free AC Drive motor in combination with the German Kordel gearbox, Intorque brake and Wicke drive wheel give industry leading performance, efficiency and reliability. Whenever required the AC Drive always gives the right response for gentle or fast acceleration.