PS 12L/PS 16L/PS 20L

Electric Pedestrian Stacker With Capacities of 1200/1600/2000kg

INTRODUCTION

The PS 12-20L series is tailored to most pedestrian controlled stacking operations with capacities from 1200kg 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-konw brands in the market.

AUTHORISED DEALER

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NOBLELIFT

PS 12L/PS 16L/PS 20L

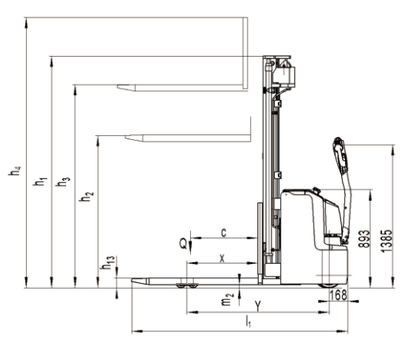
ELECTRIC PEDESTRIAN STACKER WITH CAPACITIES OF 1200/1600/2000KG

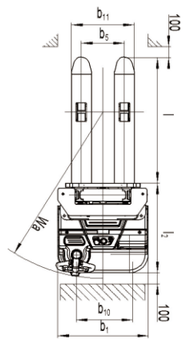
ADVANTAGES

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

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

Distinguishing mark	1.2	Manufacturer`s type designation		PS 12L(3600)	PS 16L(4600)	PS 20L(4600)
	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery	Battery	Battery
	1.4	Operator type		Pedestrian	Pedestrian	Pedestrian
	1.5	Load Capacity / rated load	Q(t)	1.2	1.6	2.0
	1.6	Load centre distance	c(mm)	600	600	600
	1.8	Load distance ,centre of drive axle to fork	x(mm)	647	647	647
	1.9	Wheelbase	Y(mm)	1248	1293	1429
Weight	2.1	Service weight	kg	1007	1340	1579
	2.2	Axle loading, laden front/rear	kg	684/1523	930/2010	1000/2579
	2.3	Axle loading, unladen front/rear	kg	610/397	850/490	900/679
Tires, chassis	3.1	Tires		Polyurethane	Polyurethane (PU)	Polyurethane
	3.2	Tire size, front	Øx w (mm)	Ø230X70	Ø230×70	Ø230X70
	3.3	Tire size, rear	Øx w (mm)	Ø85X75	Ø85×75	Ø85X75
	3.4	Additional wheels(dimensions)	Øx w (mm)	Ø150X54	Ø150×54	Ø150X54
	3.5	Wheels, number front/rear(x=driven wheels)		1X+1/4	1x+1/4	1X+1/4
	3.6	Track, front	b10mm	522	522	522
	3.7	Track, rear	b11 (mm)	390/505	390/505	390/505
Dimensions	4.2	Lowered mast height	h1 (mm)	2308	2108	2228
	4.3	Free Lift height	h2 (mm)	1760	1520	1520
	4.4	Lift height	h3 (mm)	3600	4600	4600
	4.5	Extended mast height	h4 (mm)	4088	5088	5208
	4.9	Height of tiller in drive position min./ max.	h14mm	850/1385	850/1385	850/1385
	4.15	Height, lowered t	h13mm	90	90	90
	4.19	Overall length	l1mm	1919	1964	2100
	4.20	Length to face of forks	l2mm	769	814	950
	4.21	Overall width	b1mm	820	820	820
	4.22	Fork dimensions	s/e/l (mm)	60/180/1150	60/180/1150	60/180/1150
	4.25	Distance between fork-arms	b5 (mm)	570/685	570/685	570/685
	4.32	Ground clearance, centre of wheelbase	m2mm	28	28	23
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2336	2406	2536
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2456	2393	2523
	4.35	Turning radius	Wa (mm)	1440	1510	1640
Performance data	5.1	Travel speed, laden/ unladen	km/h	6.0/6.0	5.7/6.0	5.4/6.0
	5.2	Lift speed, laden/ unladen	m/s	0.10/0.17	0.13/0.20	0.13/0.20
	5.3	Lowering speed, laden/ unladen	m/s	0.11/0.11	0.20/0.14	0.20/0.14
	5.8	Max. gradeability, laden/ unladen	%	6/12	6/12	6/10
	5.10	Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Electric- engine	6.1	Drive motor rating S2 60min	kW	1.3	1.3	1.7
	6.2	Lift motor rating at S3 4.5%	kW	1.5	3.2	3.2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		2VBS	3VBS	3PZS
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/180	24/270	24/350
	6.5	Battery weighi	kg	175	230	288
	6.6	Energy consumption acc: to VDI cycle		0.95	1.59	1.70
Additional data	8.1	Type of drive control		AC-speed control	AC-speed control	AC-speed control
	8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	<70	<70	<70





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)
PS 12L					
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
PS 16L					
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

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)
PS 20L					
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

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.

CAN-BUS

CANBUS technology

The CANBUS technology is due to less wiring more reliable.

For maintenance the CANBUS technology makes analysis and adjustments easier so that the downtime is lower than for trucks without CANBUS.

Digital signals further makes parts longer lasting than analogue signals.