PS16/20NW

NW Series Electric Pallet Stacker

Suspension system

5-wheel structural design

More adaptable to complex ground

Equipped with driving wheel floating technology, PS XX NW is more adoptable to complex ground and not easy to slip. The fixed balance wheel on both side enhances the stability and passability of the truck.

Driving wheel with pressure adjustable structure, is more practical for different application scenarios and vehicle weights.

Driving wheel floating technology, combined with foldable platform floating structure, makes the truck higher effective in shock absorption and more comfortable in operation.

LiFePO4 battery

Charger 24V/80Ah — 2.5Hr — 24V 200Ah

All Li-ion batteries are equipped with on-board Battery Management System (BMS), which provides mandatory control of all important parameters of the battery during charging and operation. With this control, the safety of Li-ion battery during the whole life-cycle is guaranteed. The Li-ion batteries are certified according to international safety transportation (by sea and by air) and operation standards. The BMS communicates with control system of the truck via CAN, the support of the CAN protocols allows to monitor the condition of the battery and make its diagnosis with help of special software which is available for our partners.

Li-ion SAFETY

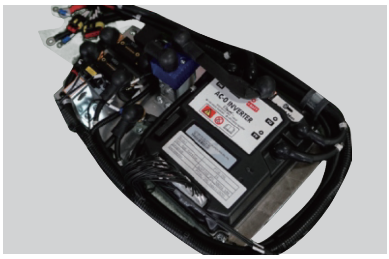
High efficiency of the truck can be guaranteed under the condition of multi-shift operations. Lithium battery can be selected. Lithium battery features in fast charging, maintenance-free, environmental protection and intelligent display functions. Besides, the cost is very low from the perspective of long-term ownership and maintenance, and work efficiency is improved.

The multi-function and flexible PS XX NW Series is the ideal choice for stacking operations.

Core parts

German REMA handle with reliable and ergonomic control system. Additionally, the non-contact lifting and lowering rocker switch extends the life of the handle.

Optional electric power steering system adopted in short-tiller stackers can control the steering wheel quickly and accurately, meeting the standards with high reliability and safety.



The Italian Zapi drive controller and steering controller are used to provide customers with reliable and flexible high-performance control system solutions.

The robust chassis with 8mm thick apron protects the truck and the components against mechanical impacts. The steel battery cover ensures the battery well protected.

Integrated functional area, equipped with key switch, emergency switch, battery indicator and USB charging port.

Optional parts

Optional Pin Panel Access, ensuring to manually input password or to swipe to start by RFID cards.

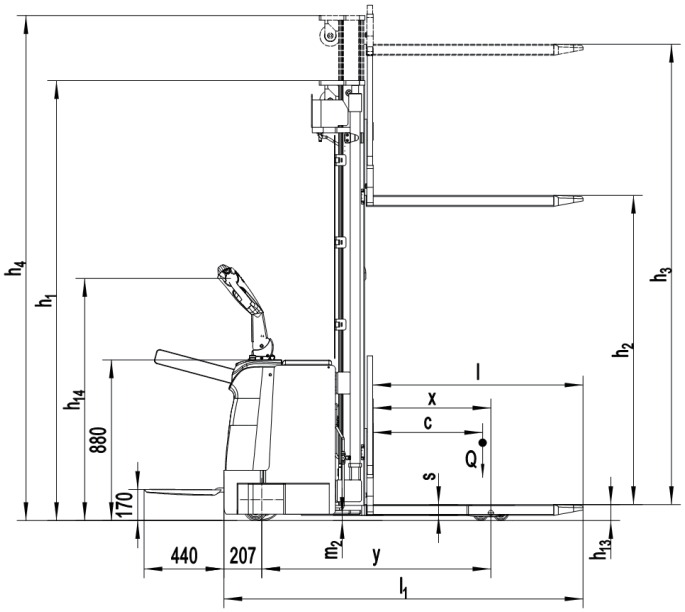
Optional built-in charger, simplifying battery charging work.

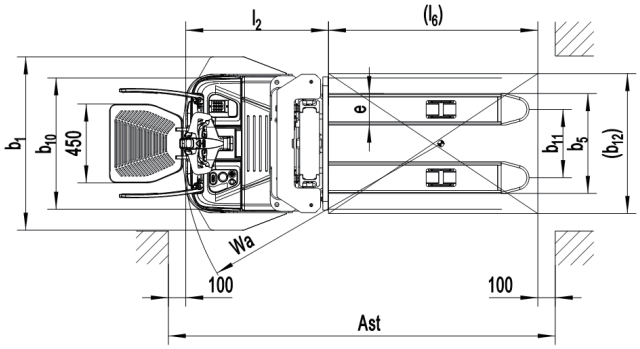
Optional French HPI hydraulic system for proportional lift helps to ensure accurate positioning of the fork during lifting and lowering. The acceleration and deceleration of the fork are smoother, so fragile items can be operated.

Optional side battery extraction, through a special trailer, high effective in battery replacement, and convenient for multi-shift operation.

Mast table PS16/20NW

Designation	Lowered mast height h1(mm)	Free lift height h2(mm)	Lift height h3(mm)	Extended mast height h4(mm)
PS16NW				
Two stage mast	1958	–	2800	3380
	2108	–	3100	3680
	2308	–	3500	4080
Two stage mast FFL (Full-Free-Lift)	1958	1410	2800	3380
	2108	1560	3100	3680
	2308	1760	3500	4080
Three stage mast	2008	–	4200	4780
	2108	–	4500	5080
Three stage mast FFL (Full-Free-Lift)	1708	1120	3300	3880
	1908	1320	3900	4480
	2008	1420	4200	4780
	2108	1520	4500	5080
	2343	1576	5200	5980
	2410	1820	5400	6110
PS20NW				
Two stage mast	2078	–	2800	3500
	2228	–	3100	3800
	2428	–	3500	4200
Two stage mast FFL (Full-Free-Lift)	1978	1310	2600	3300
	2078	1410	2800	3500
	2228	1560	3100	3800
	2428	1760	3500	4200
Three stage mast	2128	–	4200	4900
	2228	–	4500	5200
Three stage mast FFL (Full-Free-Lift)	1978	1310	3900	4600
	2128	1420	4200	4900
	2228	1520	4500	5200





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

Identification				
1.2	Manufacturer`s type designation		PS16NW(5500)	PS20NW(4600)
1.3	Drive		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)	647	650
1.9	Wheelbase	y (mm)	1256	1392
Weights				
2.1	Service weight	kg	1365	1630
2.2	Axle load at full load, drive side/load side	kg	1000/1965	1124/2506
2.3	Axle load at no load, drive side/load side	kg	943/422	1067/563
Wheels、Chassis				
3.1	Tires		Polyurethane(PU)	
3.2	Tire size,front	Øx w (mm)	Ø230×70	
3.3	Tire size,rear	Øx w (mm)	Ø84×70	
3.4	Additional wheels(dimensions)	Øx w (mm)	Ø124x60	
3.5	Wheels,number front/rear(x=driven wheels)		1x+2/4	
3.6	Tread, front	b10 (mm)	750	
3.7	Tread, rear	b11 (mm)	390/505	
Basic Dimemsions				
4.2	Lowered mast height	h1(mm)	2410	2228
4.3	Free Lift height	h2(mm)	1820	1520
4.4	Lift	h3(mm)	5410	4510
4.5	Extended maximal height	h4(mm)	5980	5200
4.9	Height of tiller in drive position min./ max.	h14 (mm)	950/1350	
4.15	Height, lowered	h13 (mm)	90	
4.19	Overall length	l1 (mm)	1968[1)]	2101[1)]
4.20	Length to face of forks	l2 (mm)	818[1)]	951[1)]
4.21	Overall width	b1 (mm)	990	
4.22	Fork dimensions	s/e/l (mm)	60 / 180 / 1150	
4.25	Width across forks	b5 (mm)	570 /685	
4.32	Ground clearance, centre of wheelbase	m2 (mm)	28	
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)	2396[1)]	2530[1)]
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)	2382[1)]	2516[1)]
4.35	Turning radius	Wa (mm)	1500[1)]	1634[1)]
Performance Data				
5.1	Travel speed, laden/ unladen	km/h	7.0/8.0	6.0/7.0
5.2	Lift speed, laden/ unladen	m/s	0.09/0.14	
5.3	Lowering speed, laden/ unladen	m/s	0.25/0.20	
5.8	Max. gradeability, laden/ unladen	%	6/12	
5.10	Service brake		Electromagnetic	
E-Motor				
6.1	Drive motor rating S2 60min	kW	1.4	
6.2	Lift motor rating at S3 10%	kW	3.0	
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	kg	230	288
6.6	Energy consumption acc. to VDI cycle	kWh/h	1.34	1.70
Other Details				
8.1	Type of drive control		AC- speed control	
8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	<70	

1) with compact platform:+440mm