www.nobleliftna.com

NOBLELIFT
NORTH AMERICA

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LITHIUM

AVANT
PJE33-PJE44
3,300 - 4,400 lbs. Capacity
Powered Pallet Jack

- Capacity 3300-4400lb
- Lithium Battery
- Compact Size
- Low Service Weight
- Smart Design
- Robust Design
- Highly Cost Effective
- Easy Maintenance
- CE Mark

Why choose between price and quality **WHEN YOU CAN HAVE BOTH!**



HIGHLIGHTS

- CAN-bus control
- DC drive motor (PJE33), DC Brushless drive motor (PJE44)
- Lithium battery: 24V/20Ah (PJE33), 48V/20Ah (PJE44)
- Charger: 24V/10A (PJE33), 48V/5A (PJE44)
- Fast charging 2 hours (PJE33), 4 hours (PJE44)
- Smart handle with battery level display and fault indicator
- Pinwheel turning - drive with tiller in vertical position
- Ergonomic control handle with horn and emergency belly button, dual butterfly-style thumb controls for traveling
- Electric lifting and lowering buttons
- Travel speed: 2.7mph (unloaded), 2.5mph (loaded)
- Traction tire PU
- Gradeability: PJE33 20% (unloaded), 6% (loaded). PJE44 20% (unloaded), 7% (loaded).

AVANT

PJE33-PJE44

3,300 - 4,400 lbs. Capacity

Powered Pallet Jack

The AVANT PJE33-PJE44 Lithium Pallet Jacks are economical, quiet, very low maintenance, ultra-smooth, and are perfect for light and medium duty material handling. Their extremely compact design, low service weight and small turning radius make them ideal for loading docks, delivery operations, logistic centers, narrow aisles, and applications within confined spaces like supermarkets, retail stores, elevators, trailers, containers, and mezzanines warehouses.

ERGONOMIC AND SMART TILLER DESIGN



Tiller head is designed for comfortable and ergonomic operation. The buttons are extra large and can be easily used by operators, even while wearing gloves.





By holding the Turtle button down, the truck will operate with the handle in the upright position (pinwheel capability), providing safe and easy operation within confined spaces such as steering within an elevator, a trailer, a container or other small areas.

Dual Butterfly-style thumb controls allow for effortless traveling.

RUGGED AND HIGH PERFORMANCE DESIGN



A low service weight of only 287 lbs (PJE33) / 293 lbs (PJE44) makes the pallet jacks ideal for delivery trucks with tail lift platforms - efficient distribution without sacrificing the transported weight.

The short body length is even smaller than a conventional hand pallet jack making the AVANT extremely compact.



A unique fork design allows for easy entrance and exit from pallets. An integrated stamping process increases the strength and rigidity of the frame.



A 24V DC permanent magnet motor and a large-diameter polyurethane traction wheel ensures superior performance.



Capacity up to 4,400 lbs and ability to overcome ramps up to 7/20% (laden/ unladen) makes the AVANT suitable for work in loading docks and on delivery operations.

RUGGED AND HIGH PERFORMANCE DESIGN

Enclosed design and one-piece steel battery cover provides protection to the main components and delivers higher waterproof and dustproof ratings.

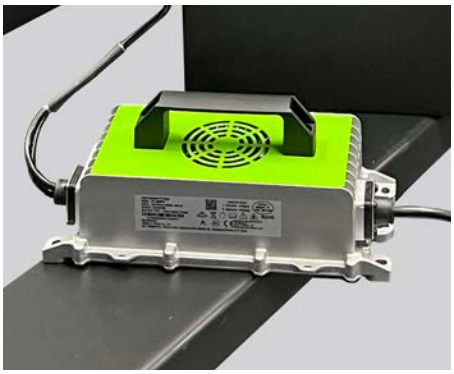
Stamped steel drive wheel cover adds additional protection to components and the operator's feet during work.

High-strength compact frame ensures long, reliable material handling for multiple shifts, day in and day out.





Smart design allows for a one-handed easy battery exchange within seconds.



Portable external charger is provided standard.



Optional truck charger allows for on-the-go mobile charging.

LONG LASTING AND SAFE LITHIUM POWER

NOBLELIFT uses LiFePO4 chemistry, the longest lasting and safest lithium battery chemistry available. Our lithium batteries are equipped with a Battery Management System (BMS), thermal management system, and an automotive-grade DC high-voltage control system. BMS manages charging and discharging data to ensure safety throughout its life cycle.

PJE33-PJE44 AVANT Pallet Jacks have a 3 year or 6,000 hours warranty on the lithium battery cells.

3 YEAR WARRANTY

ADVANTAGES OF LITHIUM POWER

LITHIUM BATTERY ADVANTAGES

Lead-Acid Battery		Lithium Battery
Lower fleet availability - Work is interrupted because battery needs to be fully charged before next use	**Productivity - Memory Effect**	100% Fleet availability - Opportunity charging allows battery to be charged in between use
Periodic battery replacement	**Service Life**	Batteries last 3 times longer and do not need to be replaced
Outsourced or in-house maintenance personnel required	**Ongoing Maintenance**	No maintenance cost
8-10 Hours - 2 or more batteries per lift truck	**Charge Duration**	2-4 Hours - 1 Battery per lift truck
Build an expensive battery room with ventilation	**Battery Room**	No battery room needed
Releases hydrogen while charging - Can result in explosion - Acid burns can happen during maintenance	**Dangerous Substances**	No dangerous substances
Power loss	**Power Savings**	No power loss - Reduces energy consumption by 35%

Fast-charging maintenance-free Lithium battery is fully charged in 2-4 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.



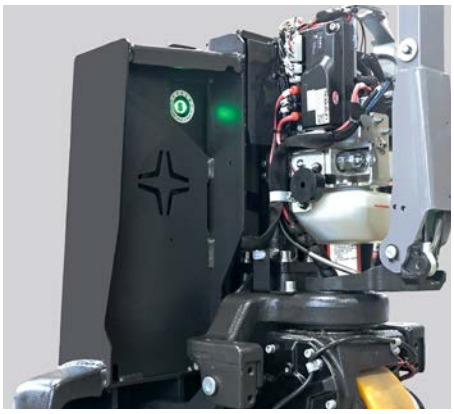
CAN-bus

Easily check truck's condition and troubleshoot with CAN-bus technology.



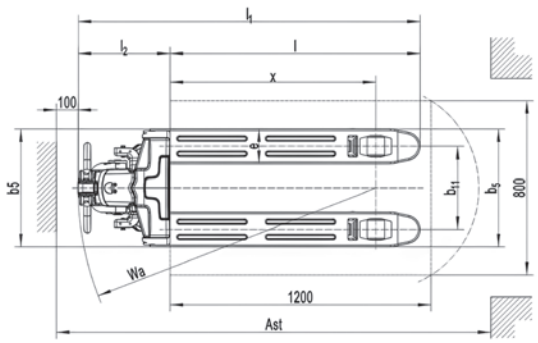
External programming port makes parameter adjustments and maintenance efficient.

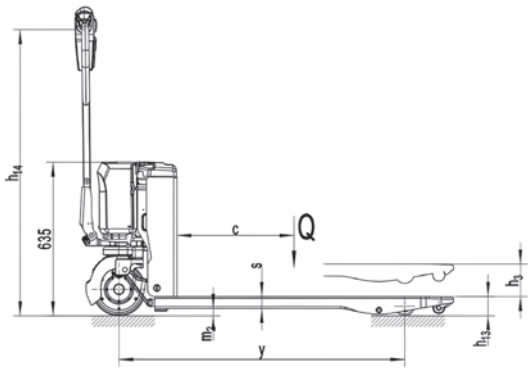
EASY MAINTENANCE



Convenient and fast access to all components. No special tools required.

Integrated hydraulic and electrical systems ensure easy maintenance.





Identification				
1.2	Model		PJE33	PJE44
1.3	Drive (electric – battery or mains, diesel, petrol, fuel gas, manual)		Lithium	
1.4	Type of operation (hand, pedestrian, standing, seated, order picker)		Pedestrian	
1.5	Load capacity / rated load	Q (lb)	3,300	4,400
1.6	Load center distance	c (in)	24	
1.8	Load distance, center of drive axle to fork	x (in)	37.3	
1.9	Wheel base	y (in)	46.8	
Weights				
2.1	Service weight	lb	287	293
2.2	Axle loading, laden front / rear	lb	1,160 / 2,434	1,190 / 3,512
2.3	Axle loading, unladen front / rear	lb	214 / 73	223 / 71
Wheels, Chassis				
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Polyurethane (PU)	
3.2	Tire size, front	∅xw (in)	∅ 8.27 x 2.95	
3.3	Tire size, rear	∅xw (in)	∅ 2.91 x 3.27	
3.4	Wheels, number front / rear (x = driven wheels)		1x/2(1x/4)	
3.6	Tread, width, rear	b_{11} (in)	20.67	
Basic Dimensions				
4.4	Lift	h_3 (in)	7.5	
4.9	Height of tiller min./max.	h_{14} (in)	24.8 / 48.43	
4.15	Height, lowered	h_{13} (in)	2.95	
4.19	Overall length	l_1 (in)	60.24	
4.20	Length to face of forks	l_2 (in)	14.96	
4.21	Overall width	b_1 (in)	26.97	
4.22	Fork dimensions	s/e/l (in)	2 / 6.3 / 45	
4.25	Width across forks	b_5 (in)	27	
4.32	Ground clearance, center of wheelbase	m_2 (in)	1.18	
4.34	Right Angle Stack with 32x48 pallet	Ast (in)	71.1	
4.35	Turning radius	Wa (in)	52.45	
Performance Data				
5.1	Travel speed, laden / unladen	mph	2.5 / 2.7	
5.2	Lift speed, laden / unladen	in/s	0.63 / 0.83	0.59 / 0.79
5.3	Lowering speed, laden / unladen	in/s	1.96 / 1.02	1.96 / 0.94
5.8	Max. gradeability, laden / unladen	%	6 / 20	7 / 20
5.10	Service brake		Electromagnetic	
E-Motor				
6.1	Drive motor rating S2 60 min	HP	1.01	1.34
6.2	Lift motor rating at S3 10%	HP	0.67	1.07
6.3	Battery acc. to DIN 43531 / 35 / 36 A, B, C, no		/	
6.4	Battery voltage, nominal capacity K_5	V/Ah	24V/20Ah	48V/20Ah
6.5	Battery weight	lb	13.01	13.23
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.188	0.264
Others				
8.1	Type of drive control		DC-speed control	
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<70	

NOBLELIFT reserves the right to make technical changes and improvements to our products to maintain or enhance the quality, delivery, and efficiency.

A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium Technology. We manufacture more than 200 categories and around 30 series of each product. Our products are designed to meet different application demands and are well accepted by our customers in more than 100 countries and regions in Europe, America, Asia, Africa and more.

Products include: sit-down forklifts, rough terrain forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, tow tractors, scrubbers/sweepers, lift tables, manual pallet jacks and more.



FORKLIFTS



NARROW AISLE



STACKERS



POWERED PALLET TRUCKS



SCISSOR LIFTS



TUGGERS



SCRUBBERS

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OVER 40 YEARS OF INDUSTRY EXPERIENCE!