



Electric Powered End Rider Pallet Truck

HIGHLIGHTS

- ▶ Generous Platform.
- ▶ Ergonomic Robust German Tiller.
- ▶ Optional Jog Button.
- ▶ Dual Butterfly-Style Thumb Controls.
- ▶ Crawl Button.
- ▶ Grab Bar with Electric Controls.
- ▶ Work Tray.
- ▶ Key switch limits access to approval personnel.
- ▶ Emergency power disconnect.
- ▶ Side-mounted slide switch.
- ▶ Battery guard specifically designed for the U.S. market.
- ▶ Power steering.



PT 27RN/36RN

2700-3600 kg Capacity

The electric End Rider Pallet Truck PT27/36RN are designed to withstand the most demanding applications of order picking, capable to work a wide range of warehouse applications as well as loading dock operations. The truck combines toughest durability with highest efficiency and performance. The PT 27/36RN's high speed can ensure more pallet operations in less time than others which saves labor costs. One of the best trucks on the market.

Performance Advantages

- ▶ The heavy-duty AC drive unit paired with the power steering assembly ensures the pallet truck delivers efficient, comfortable, durable, and high-performance operation.
- ▶ One of the fastest-moving pallet trucks on the market. Features an American-style handle made of sturdy materials with an ergonomic design.
- ▶ Efficiency, Durability, Performance (EDP) ensured by German engineering, comes with a powerful German heavy duty AC drive unit.
- ▶ High quality top brand components Strong forks designed for single(2700kg) and double(3600kg) pallet transport.

This pallet truck was specifically developed for the American market and can be operated from either the left or right side to accommodate user preferences.



Intelligent, safe, and reliable



Generous platform

The roomy platform ensures operator comfort throughout the day.



Tray

The optional available tray gives the right place for your work equipment.



Backrest

Standard cargo racks are available in various height specifications. The standard roller frame allows for easy sideways battery replacement.



Grab bar with electronic controls

All control elements ensure safety and productivity. They are well ergonomically placed to make operations effortless. The coated grab bar keeps you safe during the whole day.



REMA Handle

American-style REMA handle, made of sturdy material, ergonomically designed for safe operation.



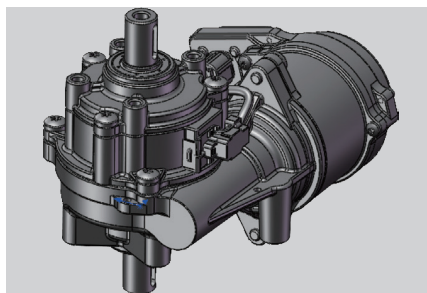
Side Gliding Switch

The side-mounted glide switch allows operators to control the truck from the side, while the side-glide rail design enhances picking efficiency. In glide mode, the truck can move at a slow speed.



Battery guard specifically designed for the U.S. market

Battery panels specifically designed for the U.S. market offer greater flexibility, allowing batteries to be removed from either side of the vehicle according to customer requirements.



Power steering

Light steering with quick response; clear road feel. Software-controlled power steering allows adjustment of assist levels and speed-sensitive assistance. Steering force output can be reduced or switched to manual steering mode while maintaining vehicle maneuverability.



Optional lithium battery

Various specifications (24V/200Ah-24V/306Ah) of lithium batteries are configured to meet all-weather operations.

LONG LASTING AND SAFE LITHIUM POWER

NOBLELIFT uses Lithium-Iron Phosphate batteries, the longest lasting and safest lithium battery 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.

The lithium-ion battery unit for the PT27-36RN electric powered end rider pallet truck is covered by a 5-year or 10,000-hour warranty.



ADVANTAGES OF LITHIUM POWER

Lead-Acid Battery

Lower fleet availability - Work is interrupted because battery needs to be fully charged before next use.

Periodic battery replacement.

Outsourced or in-house maintenance personnel required.

8-10 Hours - 2 or more batteries per lift truck.

Build an expensive battery room with ventilation.

Releases hydrogen while charging - Can result in explosion - Acid burns can happen during maintenance.

Power loss.

Productivity-Memory Effect



Service Life



Ongoing Maintenance



Charge Duration



Battery Room



Dangerous Substances



Power Savings



Lithium Battery

100% Fleet availability - Opportunity charging allows battery to be charged in between use.

Batteries last 3 times longer and do not need to be replaced.

No maintenance cost.

2-3 Hours - 1 Battery per lift truck.

No battery room needed.

No dangerous substances.

No power loss - Reduces energy consumption by 35%.

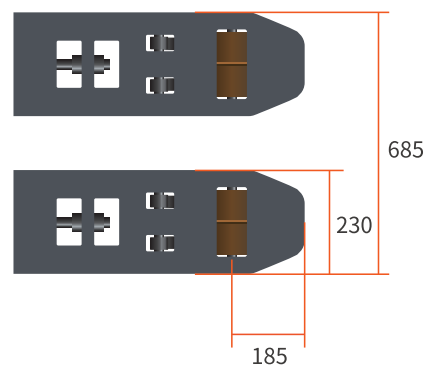
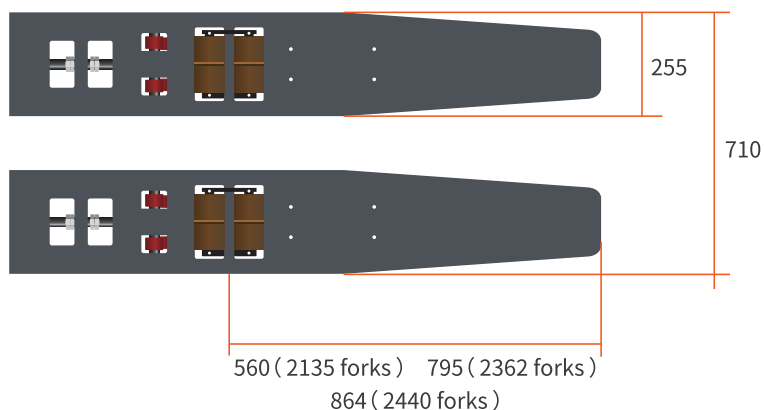
Fast-charging maintenance-free Lithium battery is fully charged in 2-3 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.

			PT 27RN Fork Tip						PT 36RN Fork Tip		
Nominal Fork Length		mm	915	1067	1220	1372	1525	2440	2135	2362	2440
Actual Fork Length	l	mm	908	1060	1213	1365	1518	2433	2128	2355	2433
Overall Length	l1	mm	2025	2177	2330	2482	2635	3550	3246	3475	3550
Wheelbase(raised)	y	mm	1305	1458	1615	1765	1917	2835	2130	2130	2130
Load Wheel Distance	x	mm	723	875	1028	1180	1333	2248	1567	1567	1567
Fork Tip Length	l-x	mm	185	185	185	185	185	185	560	795	864
Turning Radius(raised)	Wa	mm	1840	1992	2145	2297	2450	3365	2660	2660	2660
Fork Width	e	mm	230						255		



Durability and Functionality

One of the strongest and most solid chassis in the market, the best solution for the toughest application in the market! The easy fork adjustment as well as access to the main components ensures excellent serviceability. The rigid strength of the forks provides maximum durability.



Type sheet for industrial truck

No.20251121

Distinguishing mark

1.2	Manufacturer's type designation		PT 27RN	PT 36RN
1.3	Power (battery, diesel, petrol, gas, manual)		Battery	Battery
1.4	Operator type		Walkie/ride-on	Walkie/ride-on
1.5	Load Capacity / rated load	Q (kg)	2700	3600
1.6	Load centre distance	c (mm)	600	1220
1.8	Load distance, centre of drive axle to fork	x (mm)	1035	1345
1.9	Wheelbase	y (mm)	1705/1595	2130/2020

Type sheet for industrial truck			No.20251121	
Weight				
2.1	Service weight	kg	1070(840)	1150(840)
2.2	Axle loading, laden front/rear	kg	1390/2380(1300/2200)	1300/3470(1110/3440)
2.3	Axle loading, unladen front/rear	kg	830/240(640/200)	920/250(730/210)
Tires, chassis				
3.1	Tires		Polyurethane (PU)	Polyurethane (PU)
3.2	Tire size,front	Øx w (mm)	Ø310×120	Ø310×120
3.3	Tire size,rear	Øx w (mm)	Ø82×165	Ø82×70
3.4	Additional wheels(dimensions)	Øx w (mm)	Ø125×60	Ø125×60
3.5	Wheels,number front/rear(x=driven wheels)		1 x +2/2	1 x +2/8
3.6	Tread, front	b10 (mm)	680	680
3.7	Tread, rear	b11 (mm)	455	455
Dimensions				
4.4	Lift	h3(mm)	150	150
4.9	Height of tiller in drive position min./ max.	h14 (mm)	980/1450	980/1450
4.15	Height, lowered	h13 (mm)	83	83
4.19	Overall length	l1 (mm)	2330	3350
4.20	Length to face of forks	l2 (mm)	1095	1095
4.21	Overall width	b1 (mm)	940	940
4.22	Fork dimensions	s/e/l (mm)	60/230/1220	60/255/2440
4.25	Width across forks	b5 (mm)	685	710
4.32	Ground clearance, centre of wheelbase	m2 (mm)	25	25
4.34	Aisle width for pallets 40” x 48“lengthways	Ast (mm)	2700	3900
4.35	Turning radius	Wa (mm)	2145	2660
Performance Data				
5.1	Travel speed, laden/ unladen	km/h	11/14	9.5/12
5.2	Lift speed, laden/ unladen	mm/s	38/49	30/40
5.3	Lowering speed, laden/ unladen	mm/s	55/50(48/40)	45/42(40/35)
5.8	Max. gradeability, laden/ unladen	%	8/15	6/15
5.10	Service brake		Electromagnetic	Electromagnetic
Electric- engine				
6.1	Drive motor rating S2 60min	kW	3.8	3.8
6.2	Lift motor rating at S3 10%	kW	2.2	2.2
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		no,5Pzs (/)	no,5Pzs (/)
6.4	Battery voltage, nominal capacity K5	V / Ah	24/350(24/200-24/306 Li-ion)	24/350(24/200-24/306 Li-ion)
6.5	Battery weight	kg	320(85/105)	320(85/105)
Additional data				
8.1	Type of drive control		AC- speed control	AC- speed control
8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	70	70
8.6	Steering		Power steering	Power steering

**Get in touch
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