

ELECTRIC PALLET TRUCK

PT 27RN/36RN

End Rider Pallet Truck

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

Built for the busiest end of the warehouse, the PT 27RN/36RN end rider is made to move pallets fast and keep moving all shift. A heavy-duty AC drive and responsive power steering deliver quick, comfortable, low-effort operation, while strong forks handle single pallets up to 2,700kg or doubles up to 3,600kg. As one of the fastest trucks in its class, it gets more pallets moved in less time — cutting labour costs on order picking and loading-dock work alike. Ergonomic, durable and easy to control from either side, it's a truck built to earn its keep.



Key Features

1



Generous platform

The roomy platform ensures operator comfort throughout the day.

2



Tray

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

3



Cargo rack

Standard cargo racks are available in a range of heights, and the roller frame allows easy sideways battery replacement.

4



Grab bar with electronic controls

All controls are ergonomically placed to make operation effortless and keep you safe and productive all day. The coated grab bar gives a secure grip.

5



REMA handle

Ergonomic REMA handle, made of sturdy material and designed for safe, comfortable operation.

6



Side gliding switch

The side-mounted gliding switch lets operators control the truck from the side, while the side glide rail design boosts picking efficiency. In glide mode the truck moves at a slow, controlled pace.

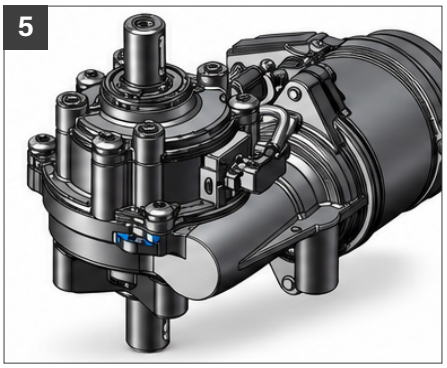
4



Flexible battery access

Battery panels allow the battery to be removed from either side, giving greater flexibility to suit your operation.

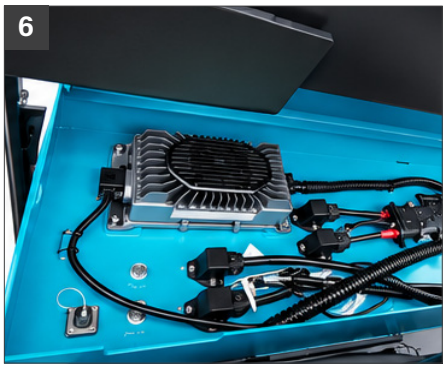
5



Power steering

Light, responsive power steering with adjustable, speed-sensitive assist. Steering effort can be reduced or switched to manual while keeping full maneuverability.

6



Optional lithium battery

Various specifications (24V/200Ah-24V/360Ah) of lithium batteries are configured to meet all-weather operations.



INTELLIGENT SAFE AND RELIABLE.

NOBLELIFT
Built for better.

Comprehensive safety protection.



FEATURE	
Fast where it counts	One of the fastest end riders on the market, moving more pallets in less time to keep labour costs down.
Effortless control	A powerful AC drive and responsive power steering give light, quick handling that stays comfortable across a full shift.
Handles single or double	Strong forks rated for single pallets to 2,700kg and double-pallet transport to 3,600kg.
Operate from either side	Side-mounted controls let operators drive and pick from whichever side suits, speeding up the pick cycle.
Built to last	Heavy-duty drivetrain and top-brand components stand up to the most demanding order-picking and loading-dock duty.
Comfort all day	A roomy operator platform, ergonomic tiller and grab-bar controls keep the operator working safely and comfortably.

Type sheet acc. to VDI 2198- PT 27RN/36RN

Identification			
Manufacturer's type designation		PT 27RN	PT 36RN
Power (battery, diesel, petrol, gas, manual)		Battery	Battery
Operator type		Walkie / ride-on	Walkie / ride-on
Load capacity / rated load	Q (kg)	2700	3600
Load centre distance	c (mm)	600	1220
Load distance, centre of drive axle to fork	x (mm)	1035	1345
Wheelbase	y (mm)	1705 / 1595	2130 / 2020
Weights			
Service weight	kg	1070 (840)	1150 (840)
Axle loading, laden front / rear	kg	1390/2380 (1300/2200)	1300/3470 (1110/3440)
Axle loading, unladen front / rear	kg	830/240 (640/200)	920/250 (730/210)
Wheels Chassis			
Tyres		Polyurethane (PU)	Polyurethane (PU)
Tyre size, front	Øxw (mm)	Ø 310×120	Ø 310×120
Tyre size, rear	Øxw (mm)	Ø 82×165	Ø 82×70
Additional wheels (dimensions)	Øxw (mm)	Ø 125×60	Ø 125×60
Wheels, number front / rear (x=driven)		1x+2 / 2	1x+2 / 8
Tread, front	b10 (mm)	680	680
Tread, rear	b11 (mm)	455	455
Track width, rear	b11(mm)	920	920
Dimensions			
Lift	h3 (mm)	150	150
Height of tiller in drive position min. / max.	h14 (mm)	980 / 1450	980 / 1450
Height, lowered	h13 (mm)	83	83
Overall length	l1 (mm)	2330	3350
Length to face of forks	l2 (mm)	1095	1095
Overall width	b1 (mm)	940	940
Fork dimensions	s/e/l (mm)	60 / 230 / 1220	60 / 255 / 2440
Width across forks	b5 (mm)	685	710
Ground clearance, centre of wheelbase	m2 (mm)	25	25
Aisle width for pallets 40" x 48" lengthways	Ast (mm)	2700	3900
Turning radius	Wa (mm)	2145	2660
Performance Data			
Travel speed, laden / unladen	km/h	11 / 14	9.5 / 12
Lift speed, laden / unladen	mm/s	38 / 49	30 / 40
Lowering speed, laden / unladen	mm/s	55/50 (48/40)	45/42 (40/35)
Max. gradeability, laden / unladen	%	8 / 15	6 / 15
Service brake		Electromagnetic	Electromagnetic
E-Motor			
Drive motor rating S2 60 min	kW	3.8	3.8
Lift motor rating at S3 10%	kW	2.2	2.2
Battery acc. to DIN 43531/35/36 A, B, C, no		no, 5Pzs (/)	no, 5Pzs (/)
Battery voltage, nominal capacity K5	V/Ah	24/350 (24/200-24/306 Li-ion)	24/350 (24/200-24/306 Li-ion)
Battery weight	kg	320 (85/105)	320 (85/105)
Battery dimensions l/w/h	mm	Lion 980/630/605 lead-acid 980/785/610	Lion 980/630/605 lead-acid 980/885/610
Other			
Type of drive control		AC-speed control	AC-speed control
Sound level at driver's ear acc. to EN 12053	dB(A)	70	70
Steering		Power steering	Power steering

Values in ( ) are alternative battery/config options as printed in the source.

NOBLELIFT
Built for better.

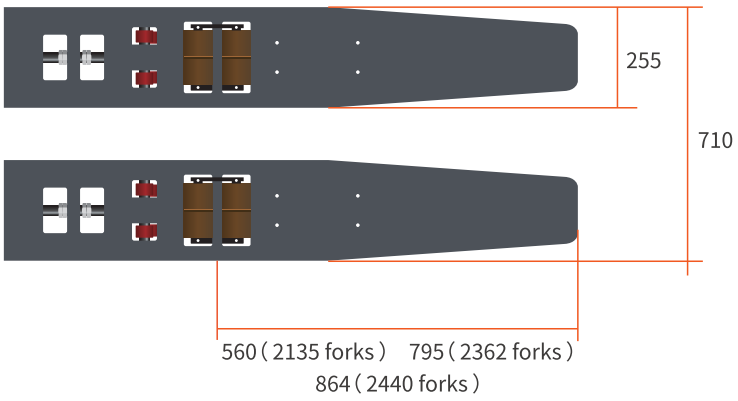
PT 27RN / PT 36RN — Fork tip variants (mm)

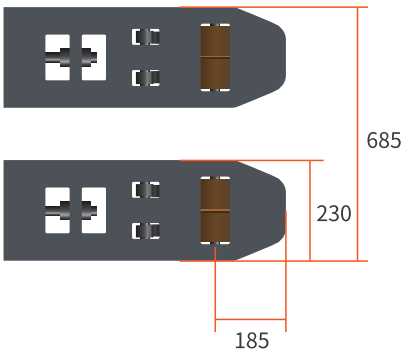
		PT 27RN Fork Tip						PT 36RN Fork Tip		
Nominal fork length		915	1067	1220	1372	1525	2440	2135	2362	2440
Actual fork length	l	908	1060	1213	1365	1518	2433	2128	2355	2433
Overall length	l1	2025	2177	2330	2482	2635	3550	3246	3475	3550
Wheelbase (raised)	y	1305	1458	1615	1765	1917	2835	2130	2130	2130
Load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













NOBLELIFT

Built for better.



LITHIUM BATTERY

LONG LASTING AND SAFE LITHIUM POWER.

NOBLELIFT uses LiFePO4 chemistry — the longest-lasting and safest lithium battery chemistry available. Every battery is equipped with a Battery Management System (BMS), a thermal management system, and an intelligent control system. The BMS monitors all charging and discharging data to keep the battery safe throughout its life cycle.

Our lithium battery packs are backed by a 5-year / 10,000 hour warranty.

Advantages of Lithium Power

	LEAD-ACID BATTERY	LITHIUM BATTERY
PRODUCTIVITY	Lower fleet availability — work is interrupted because the battery must be fully charged before next use.	100% fleet availability — opportunity charging tops the battery up between use.
SERVICE LIFE	Periodic battery replacement.	Lasts up to 3 times longer and doesn't need replacing.
ONGOING MAINTENANCE	Outsourced or in-house maintenance personnel required.	No maintenance cost.
CHARGE DURATION	8–10 hours — 2 or more batteries per machine.	2–3 hours — 1 battery per machine.
BATTERY ROOM	Requires an expensive, ventilated battery room.	No battery room needed.
SAFETY	Releases hydrogen while charging (explosion risk); acid burns possible during maintenance.	No dangerous substances.
POWER SAVINGS	Power loss.	No power loss — reduces energy consumption by up to 35%.



NOBLELIFT
Built for better.

SERVICING, PARTS & SUPPORT.

At Noblelift, we understand that reliable servicing and maintenance are essential to keeping your operation running smoothly. That's why we offer comprehensive support tailored to the needs of your Noblelift fleet. With our commitment to excellence and customer satisfaction, you can trust us to keep your equipment operating at peak performance.

Through our nationwide New Zealand network we can provide:

NATIONAL TECHNICAL SUPPORT

Help by phone or on site, nationwide.

FULLY STOCKED PARTS

Genuine parts held in stock across NZ.

MAINTENANCE & SERVICE CONTRACTS

Flexible plans built around your operation.

DEDICATED SERVICE TEAM

Factory-trained technicians with the product knowledge and diagnostic tools to keep your fleet running.

GENUINE PARTS & ACCESSORIES

A full inventory of genuine Noblelift parts, ready when you need them.

BACK-UP MACHINERY

A rental and support fleet on standby to keep you moving through any downtime.

CUSTOMER TRAINING & SUPPORT

Hands-on operator and maintenance training so your team works safely and efficiently.

SCHEDULED MAINTENANCE PROGRAMS

Proactive, tailored servicing that catches issues early and prevents costly breakdowns.

24/7 EMERGENCY SUPPORT

Round-the-clock help to get you back up and running fast.



NOBLELIFT

Built for better.

Talk to our team for sales and enquires

enquiries@noblelift.nz

09 956 5992

Noblelift New Zealand.