

ELECTRIC PALLET TRUCK

PT 20Li

Electric Pallet Truck

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

The PT 20Li is a lithium-powered pallet truck built to move 2,000kg loads efficiently in tight spaces. A 1.4kW AC drive and 2.2kW pump give it the muscle to work hard all shift, while electric power steering and an ergonomic multi-function handle keep it light and easy to control. Its compact body turns in a smaller radius and works in narrower aisles than comparable trucks, so it earns its place where space is at a premium. Quiet, low-maintenance and lithium-powered, it's a dependable workhorse for busy, confined operations.



Key Features

1



Compact where space is tight

A smaller turning radius and narrower aisle requirement than comparable pallet trucks, so it works where larger trucks can't.

2



Light, effortless control

Electric power steering (EPS) and an ergonomic multi-function handle make for comfortable, low-effort operation, with every button within easy reach.

3



Strong, stable lifting

A 1.4kW AC drive, 2.2kW pump and dual hydraulic cylinders, with adjustable pull rods, deliver powerful and stable lifting. Handles loads up to 2,000kg for everyday transport duty.

4



Smart, secure controls

A multi-function LCD shows charge, working hours and fault codes, with a USB charging port and PIN-code or RFID access control.

Type sheet acc. to VDI 2198 — PT20Li

Identification		
Type designation		PT20Li
Drive		Electric
Operator type		Pedestrian / Stand
Rated capacity	Q (kg)	2.0
Load centre	C (mm)	600
Load distance, centre of drive axle to fork	x (mm)	899
Wheelbase	y (mm)	1206
Weights		
Net weight without battery	kg	505
Axle loading, laden front / rear	kg	695 / 1810
Axle loading, unladen front / rear	kg	385 / 120
Wheels		
Tires		PU
Tire size, front	Øxw (mm)	Ø 230×70
Tire size, rear	Øxw (mm)	Ø 82×82
Additional wheels (dimensions)	Øxw (mm)	Ø 100×40
Wheels, number front / rear (x=driven)		1x+2 / 2 or 4
Tread, front	b10 (mm)	520
Tread, rear	b11 (mm)	360
Dimensions		
Lift	h3 (mm)	120
Height of tiller	h14 (mm)	1070 / 1260
Height, lowered	h13 (mm)	85
Overall length	l1 (mm)	1655
Length to face of forks	l2 (mm)	505
Overall width	b1 (mm)	730
Fork dimensions	s/e/l (mm)	60 / 180 / 1150
Width across forks	b5 (mm)	540 / 685
Ground clearance (centre of wheelbase)	m2 (mm)	25
Aisle width for pallets 800×1200 lengthways	Ast (mm)	2086
Turning radius	Wa (mm)	1422
Performance Data		
Travel speed, laden / unladen	km/h	7 / 8
Lift speed, laden / unladen	m/s	50 / 60
Lowering speed, laden / unladen	m/s	100 / 80
Max. gradeability, laden / unladen	%	8 / 15
Service brake		regenerative
Electric Engine		
Drive motor, output at S2 60 min	kW	1.4
Lift motor, output at S3 10%	kW	2.2
Battery as per DIN 43531/35/36 A, B, C, no		no
Battery voltage / nominal capacity	V/Ah	24 / 150
Battery weight	kg	80
Energy consumption as per EN 16796	kWh/h	0.45
Misc		
Type of drive control		AC-speed control
Sound pressure level at operator's ear (EN 12053)	dB(A)	<70
Steering		Electric steering

1) Elevated initial lift; lowered initial lift +66 mm (applies to load distance, wheelbase, aisle width and turning radius).



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.



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Talk to our team for sales and enquires

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Noblelift New Zealand.