

WE PROMISE | WE DELIVER

NOBLELIFT
CANADA 

PT20L-Li

Lithium Powered Pallet Truck
Capacity 2000KG/4400lbs



Lithium
Battery

CAN-bus

CAN-bus



High
Performance



Easy
Maintenance



Highly Cost
Effective



CSA UL



Productive. Solid. Smart.

PT20L-Li Pallet Truck

Capacity - 2000KG - 4400lbs

The Nobilelift PT20L-Li is a compact lithium-ion pallet truck built for efficient everyday material handling. With a 2,000 kg load capacity, fast-charging maintenance-free battery, ergonomic controls, and enhanced safety features, it delivers reliable performance in warehouses, retail spaces, logistics centers, and other tight working environments.

Highlights

- ✓ Powerful AC Drive Motor
- ✓ Lithium Battery 24V/100-150Ah
- ✓ Built in charger 24V/20A
- ✓ Pinwheel turning with tiller
- ✓ Speed Reduction in turns



Keypad access with a secure PIN code and convenient push-to-start operation.



Ergonomic tiller head with intuitive controls for comfortable, precise handling throughout the shift.



Secure key fob start-up system helps prevent unauthorized operation and improve fleet security.



Heavy-duty rear steel skirt designed to protect the castor wheels and drive motor from impacts and damage.



A unique fork design allows for easy entrance and exit from pallets.



Integrated onboard charger allows convenient charging from standard outlets.



Cold Storage Ready

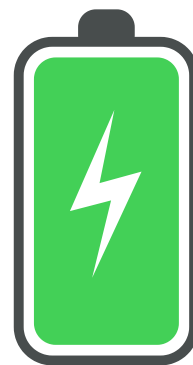
The PT20L-Li is equipped with a battery heating system specifically designed for Canadian cold storage applications. This advanced thermal management technology helps maintain optimal battery performance, charging efficiency, and power output in low-temperature environments, allowing the truck to operate reliably in refrigerated warehouses, cold storage facilities, and freezer applications down to -18°C.

Advantages of Lithium-ion Power

Effortless Charging for Continuous Operation

The maintenance-free lithium battery supports opportunity charging during breaks and shift changes, enabling the truck to operate seamlessly through multi-shift schedules without the need for battery replacements.

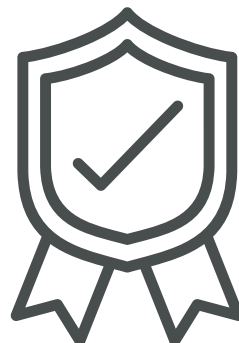
- ✓ 24V/100 or 150Ah Lithium-iron battery has connection terminals with screws and is protected inside the steel case.
- ✓ 24V/20Ah Charger included standard.



Designed for Operator Comfort and Control

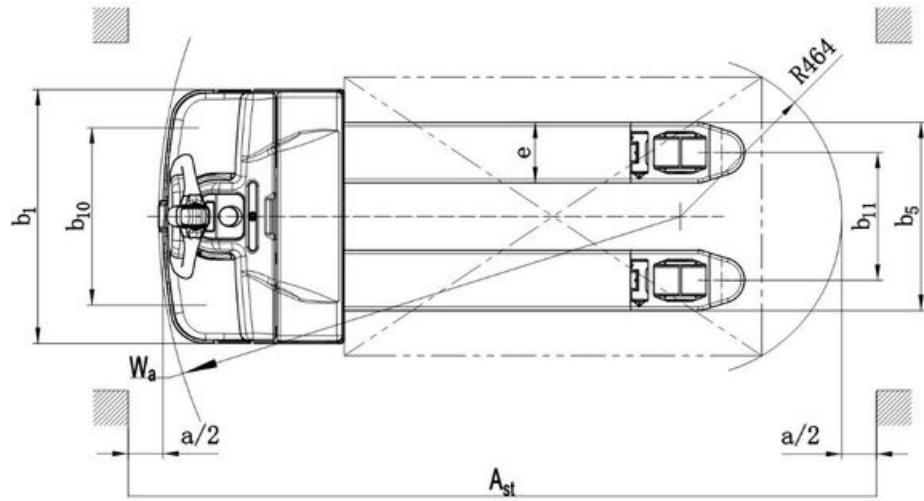
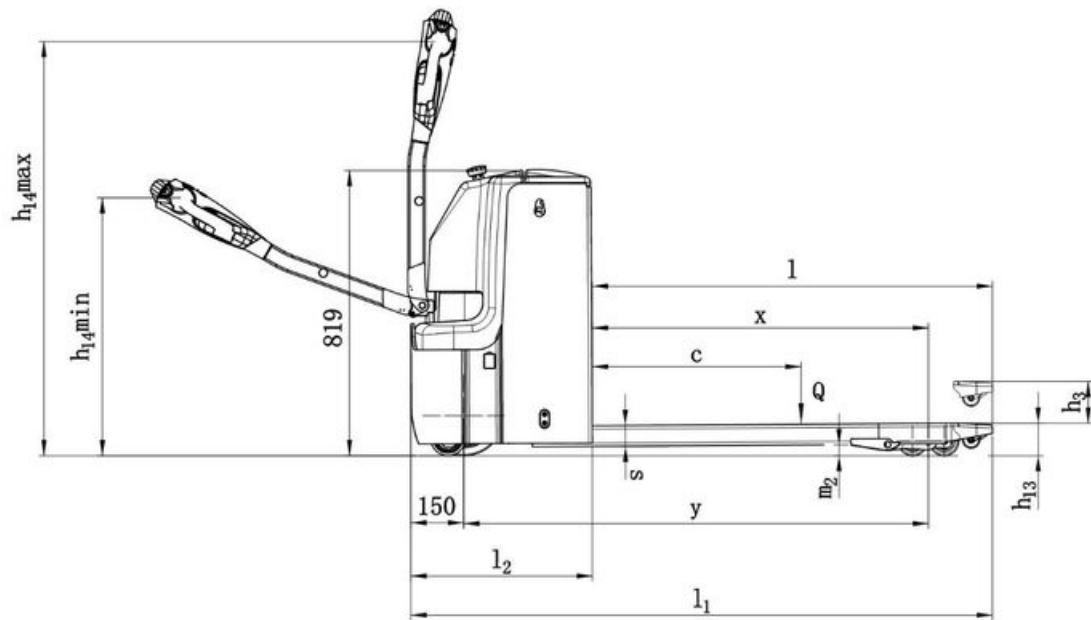
Noblelift utilizes lithium-ion phosphate batteries, known for their exceptional longevity and safety. These lithium-iron batteries feature a Battery Management System (BMS), a thermal management system, and an automotive-grade DC high-voltage control system.

*PT20L-Li has a **2-year** on the lithium-ion battery cells.*



Identification			
1.2	Model		PT20L--Li
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) /kg	4,500 / 2000
1.6	Load center distance	c (in)/mm	24 / 600
1.8	Load distance, center of drive axle to fork	x (in)/mm	38 / 966
1.9	Wheel base	y (in)/mm	49.6 / 1258 52.6 / 1336
Weights			
2.1	Service weight	lb / kg	798 / 362 906 / 411
2.2	Axle loading, laden front / rear	lb / kg	2189/2136 // 993/969 1486/2727 // 674/1237
2.3	Axle loading, unladen front / rear	lb / kg	655/143 // 297/65 734/172 // 333/78
Wheels, Chassis			
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Polyurethane (PU)
3.2	Tire size, front	xw (in/mm)	9.1 x 2.8 / 230×70
3.3	Tire size, rear	xw (in/mm)	2.9 x 4.33
3.4	Additional wheels (dimensions)	xw (in/mm)	3.9 x 1.6 / 100×40
3.5	Wheels, number front / rear (x = driven wheels)		1x+2/4
3.6	Tread, width, front	b ₁₀ (in/mm)	20 / 510
3.7	Tread, width, rear	b ₁₁ (in/mm)	14.4/367 20.2/512
Basic Dimensions			
4.4	Lift	h ₃ (in/mm)	4.7 / 120
4.9	Height of tiller in drive position min./max.	h ₁₄ (in/mm)	29.1/46.9 // 740/1190
4.15	Height, lowered	h ₁₃ (in/mm)	3.4/3.3/3.2 // 85/83/80
4.19	Overall length	l ₁ (in/mm)	62.6 / 1590
4.20	Length to face of forks	l ₂ (in/mm)	20.4 / 440
4.21	Overall width	b ₁ (in)	28.7 / 729
4.22	Fork dimensions	s/e/l (in/mm)	2.4/6.8/45.3 // 60/173/1150
4.25	Width between forks	b ₅ (in/mm)	21.3 / 540 27 / 685
4.32	Ground clearance, center of wheelbase	m ₂ (in/mm)	1 / 25
4.34	Aisle width for pallets800X1200 lengthways	Ast (in/mm)	82.1 / 540 84.9 / 685
4.35	Turning radius	Wa (in/mm)	55.9 / 540 59.1 / 685
Performance Data			
5.1	Travel speed, laden / unladen	mph	3.1 / 3.7
5.2	Lift speed, laden / unladen	in/s	4.9 / 6.9
5.3	Lowering speed, laden / unladen	in/s	10.4 / 7.1
5.8	Max. gradeability, laden / unladen	%	12 / 20
5.10	Service brake		Electromagnetic
E-Motor			
6.1	Drive motor rating S2 60 min	HP	2.3
6.2	Lift motor rating at S3 10%	HP	1.1
6.4	Battery voltage, nominal capacity K2	V/Ah	24V/100-150Ah
6.5	Battery weight	lb	76±1 130±11
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.319
Others			
8.1	Type of drive control		AC-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.



Authorized Dealer

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