



**EQ Line**

**LiION**  
BATTERY TECHNOLOGY

**EQ LINE SPECIFICATIONS**  
**PEDESTRIAN POWER PALLET TRUCK**  
24V, 1.8 TONNES

**NPP180L**

# A COST-SAVING WORKMATE

## CARRY MORE – PAY LESS

This handy little warehouse assistant takes much of the effort and expense out of moving goods. Robustly built, easy to manoeuvre, and strong enough for loads up to 1.8 tonnes, it's a reliable aid to productivity. You can expect trouble-free performance and low running costs over a long lifetime.

**CAT**<sup>®</sup>

Characteristics			
1.1	Manufacturer		
1.2	Manufacturer's model designation		
1.3	Power source		
1.4	Operator type		
1.5	Load capacity	Q	(kg)
1.6	Load centre distance	c	(mm)
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)
1.9	Wheelbase	y	(mm)
Weight			
2.1b	Truck weight without load, with maximum battery weight		kg
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg
Wheels, Drive Train			
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, P=Polyurethane, N=Nylon, R=Rubber drive/load side		
3.2	Tyre dimensions, drive side		(mm)
3.3	Tyre dimensions, load side		(mm)
3.4	Castor wheel dimensions (diameter x width)		(mm)
3.5	Number of wheels, load/drive side (x=driven)		
3.6	Track width (centre of tyres), drive side	b10	(mm)
3.7	Track width (centre of tyres), load side	b11	(mm)
Dimensions			
4.4	Lift height	h3	(mm)
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)
4.15	Fork height, fully lowered	h13	(mm)
4.19	Overall length	l1	(mm)
4.20	Length to fork face	l2	(mm)
4.21	Overall width	b1	(mm)
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)
4.25	Outside width over forks (minimum-maximum)	b5	(mm)
4.32	Ground clearance at centre of wheelbase, (forks lowered)	m2	(mm)
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	(mm)
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)
4.35	Turning radius	Wa	(mm)
Performance			
5.1	Travel speed, with/without load		km/h
5.2	Lifting speed, with/without load		m/s
5.3	Lowering speed, with/without load		m/s
5.8	Maximum gradeability with / without load		%
5.10	Service brake		
Electric motors			
6.1	Drive motor capacity (60 min. short duty)		kW
6.2	Lift motor output at 15% duty factor		kW
6.4	Battery voltage/capacity at 5-hour discharge		V / Ah
6.5	Battery weight		kg
Miscellaneous			
8.1	Type of drive control		
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB(A)
10.7.2	Whole-body vibration (EN 13 059:2002)		
10.7.3	Hand-arm vibration (EN 13 059:2002)		

Cat Lift Trucks  
**NPP18QL**  
 Battery  
 Pedestrian  
 1800  
 600  
 987  
 1330

420  
 992 / 1228  
 324 / 496

P  
 230 x 100  
 82 x 98 / 82 x 70

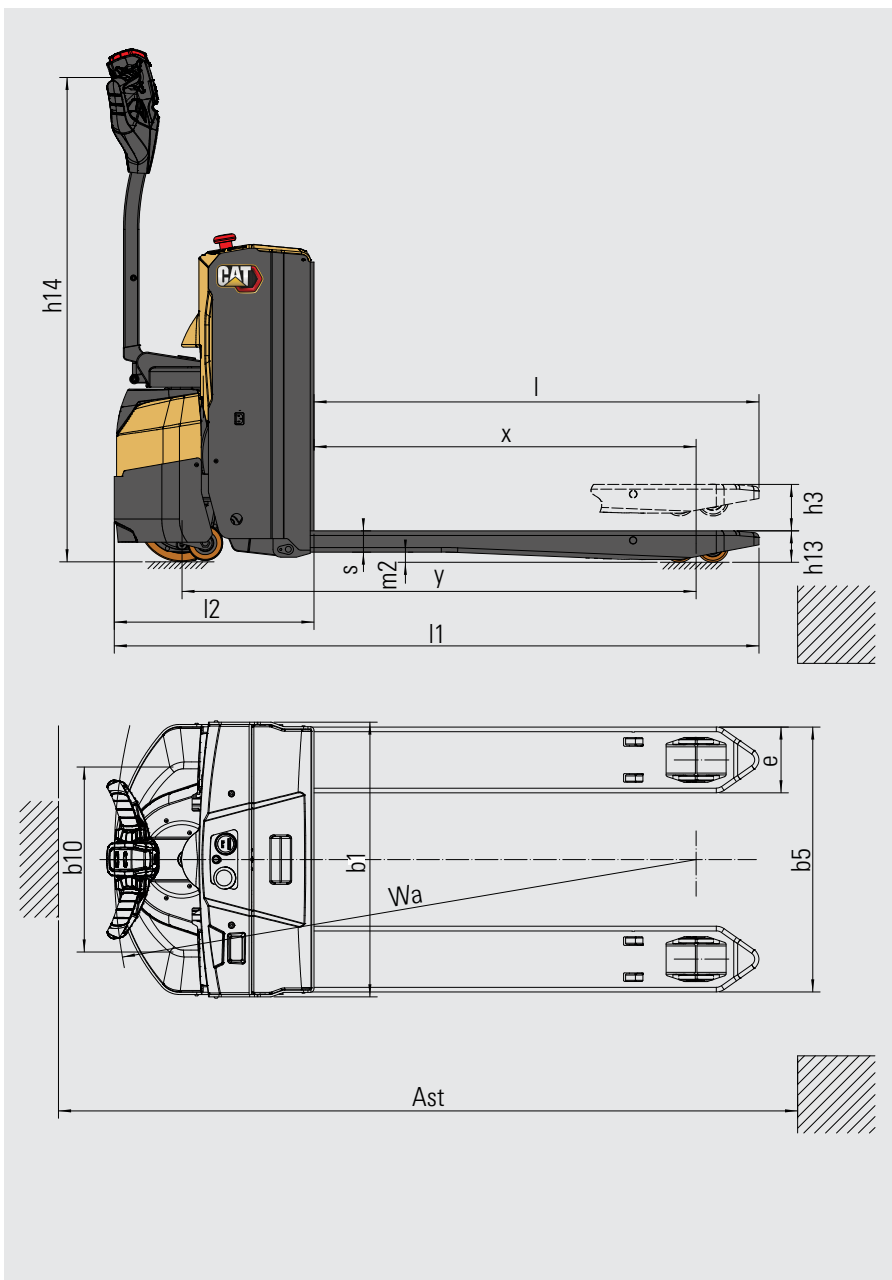
90 x 40  
 1x + 2/2 (4)  
 478  
 375

120  
 750 / 1250  
 82  
 1666  
 516  
 710  
 55 / 160 / 1150  
 550 / 685  
 27  
 2302  
 2156  
 1504

5.8 / 6  
 0.03 / 0.038  
 0.04 / 0.036  
 8 / 20  
 Electric

1.2  
 0.8  
 24 / 100  
 65

Stepless  
 70  
 Refer to instruction manual  
 <2.5





# EQLine

## CAT LIFT TRUCKS QUALITY – FOR EVEN THE SMALLEST JOBS

**Our EQ line warehouse trucks have everything you need for dependable, entry-level materials handling. That includes sturdy construction, simple maintenance, energy-efficient features, robust performance, user-friendly design, and safety. A product line for light applications. If that's what you need to get your job done, the EQ line is your perfect choice.**

Compact size, high stability and ergonomic tiller-arm control make the truck quick and comfortable in operation. Pallet load handling is smooth and strong, thanks largely to the high-quality forks and modern AC drive motor.

Li-ion battery technology and flexible, convenient charging ensure maximum productive action. There's even a battery heating system to ensure efficient performance on cold days.

Durable construction and minimal maintenance needs mean low servicing bills. Together with a low price, long service life and economical energy consumption, these factors reduce your total cost of operation (TCO).



## LOWER COST OF OWNERSHIP

- High-quality, robust construction ensures reliable operation over a long lifetime, with minimal servicing and repair needs.
- High-strength 6 mm manganese steel forks resist deformation.
- Fork wheel pivot points are enclosed and protected within the fork design to avoid wear when operating on ramps.
- Durable pull rod offers extra structural strength, with high resistance to bending and deforming, for reliable performance and long life.
- AC drive motor promises a long service life with low maintenance needs.
- Electromagnetic braking extends brake component life.
- Li-ion batteries give maximum lifespan, efficiency and runtime, with no need for water top-ups or other maintenance.
- Battery heating system optimises efficiency in cold environments, down to 1°C.
- Plug-in diagnostics and troubleshooting require only a laptop, software and a cable – not an expensive hand-held device – to reduce downtime and maintain efficient performance.

## UNMATCHED PRODUCTIVITY

- Compact and stable design enables fast, safe performance with great manoeuvrability.
- Side castor wheels further enhance stability.
- Forks with tapered tips and integral polyurethane wheels enable smooth pallet entry and exit and quiet running.
- Guide markings on forks help in correct pallet loading.
- 24V/100Ah high-capacity Li-ion battery gives powerful performance and long runtime between charges.

- Li-ion technology makes continuous operation possible, without battery changes, using fast opportunity charging during short breaks.
- Internal charger (optional) allows simple plugging in to any suitable electrical socket, wherever you are.
- External charger is supplied for convenient recharging at a designated station.
- Sideways battery exchange requires no additional tools or devices and takes just 10 seconds.
- BDI (battery discharge indicator) and hour meter support optimal timing of battery charging/changing.

## SAFETY AND ERGONOMICS

- Ergonomic spring-loaded tiller arm provides a comfortable grip and low-effort operation for maximum control with minimal fatigue or strain.
- Multifunctional tiller head conveniently places controls within easy reach.
- Turtle/creep speed switch allows manoeuvring with tiller arm vertical, for safe movement through narrow spaces.
- Electromagnetic brake system enhances braking performance.
- Parking brake is automatically applied when the truck stops on gradients and ramps.
- Li-ion battery chemistry means no risk of hazardous gas or acid leaks.

# EQ LINE LI-ION BATTERIES

**Our EQ line warehouse trucks come equipped with lithium-ion (Li-ion) battery technology.**

A great advantage of Li-ion is that it allows the use of opportunity charging. Instead of exchanging batteries between shifts, you can simply plug into a fast charger during short breaks. Your business will also enjoy the other efficiency, environmental and safety benefits outlined here.



## **LONGER LIFE**

– 3 to 4 times lead-acid lifespan –  
reduces overall battery investment



## **FASTER CHARGING**

– enables full charge in as little as  
1 hour with the fastest chargers



## **HIGHER EFFICIENCY**

– energy losses during charging and  
discharging are up to 30% lower, so  
electricity consumption is reduced



## **NO BATTERY CHANGING**

– fast opportunity charging –  
15 minutes for several hours of  
extra runtime – makes operation  
convenient with just one battery and  
minimises the need to buy, store and  
maintain spares



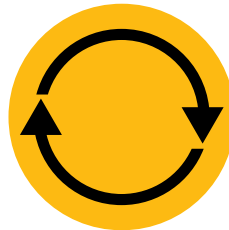
## **LONGER RUNTIME**

– thanks to more efficient battery  
performance and use of opportunity  
charges, which can be given at any  
time without damaging the battery or  
shortening its lifespan



## **NO DAILY MAINTENANCE**

– the battery stays on board the  
truck for charging and there is  
no need for water top-ups or  
electrolyte checks



## **CONSISTENTLY HIGH PERFORMANCE**

– with a more constant voltage curve  
– maintains truck performance even  
as battery charge gets low



## **INBUILT PROTECTION**

– intelligent battery management  
system (BMS) automatically  
prevents excessive discharge,  
charge, voltage and temperature, as  
well as virtually eliminating misuse

[info@catlifttruck.com](mailto:info@catlifttruck.com) | [www.catlifttruck.com](http://www.catlifttruck.com)

WESC2444(02/24) © 2024 MLE B.V. (registration no. 33274459). All rights reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications, or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your Cat lift trucks Dealer. Cat Lift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.



**WATCH  
VIDEOS**



**DOWNLOAD  
OUR APP**

