



**EQ Line**

**LITHION**  
BATTERY TECHNOLOGY

**EQ LINE PRELIMINARY SPECIFICATIONS**

**MINI ORDER PICKER**

24V, 380 KG

**MN003802**

# MORE THAN AN ORDER PICKER

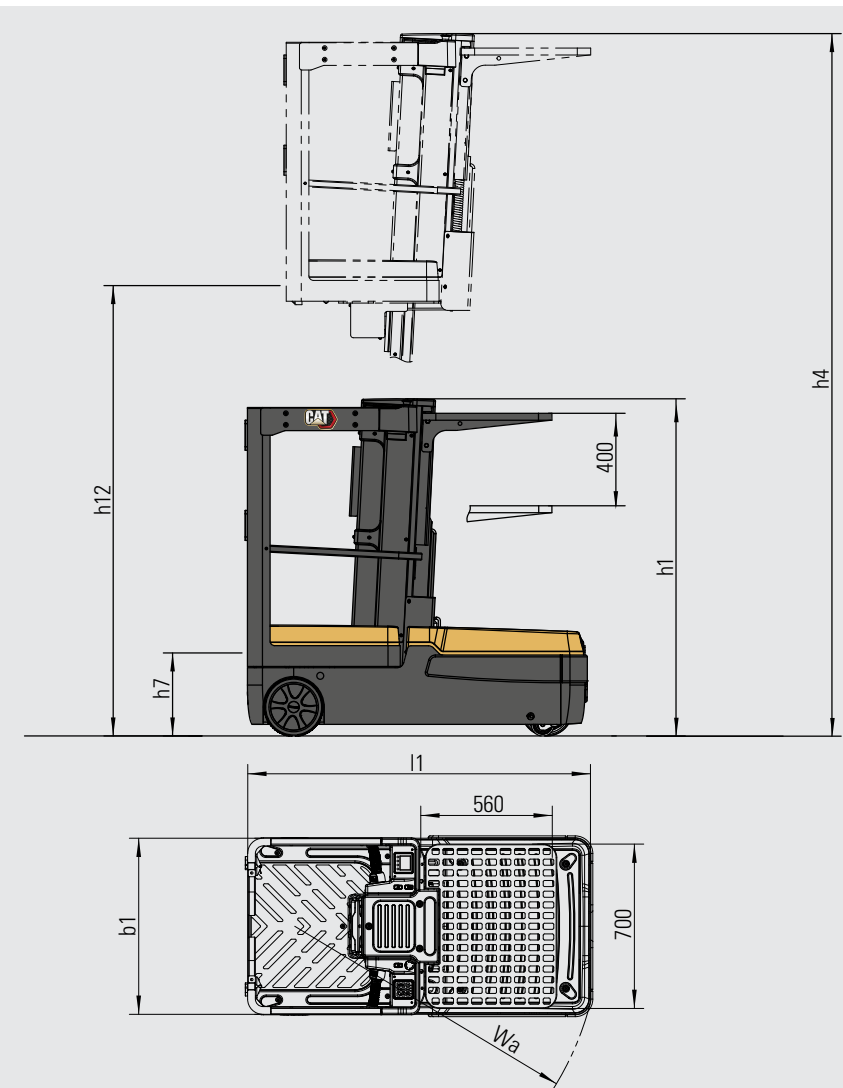
**A SAFER WAY TO CLIMB  
– AND A QUICKER WAY TO PICK**

Once you've tried our mini order picker, you'll wonder how you ever managed without one. It's not just an order picker: it does the job of a ladder too – but much more safely and efficiently. Highly compact and manoeuvrable, it's ideal for light to medium order picking duties in warehouses, shops and other retail settings.

**CAT**<sup>®</sup>

Characteristics				
1.1	Manufacturer			Cat Lift Trucks
1.2	Manufacturer's model designation			<b>MN003802</b>
1.3	Power source			Battery
1.4	Operator type			Stand-on
1.5	Load capacity	Q	(kg)	100 + 150 + 130 <sup>1)</sup>
1.9	Wheelbase	y	(mm)	1095
Weight				
2.1a	Truck weight with load, with maximum battery weight		kg	1075
2.1b	Truck weight without load, with maximum battery weight		kg	690
Wheels, Drive Train				
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			P
3.2	Tyre dimensions, drive side		(mm)	220x70
3.3	Tyre dimensions, load side		(mm)	256x80
3.4	Castor wheel dimensions (diameter x width)		(mm)	100x40
3.5	Number of wheels, load / drive side (x = driven)			1x+2/2
Dimensions				
4.2a	Height with mast lowered	h1	(mm)	1450
4.5	Height with mast extended	h4	(mm)	4450
4.8	Seat- or stand height	h7	(mm)	318
4.14	Platform height, raised	h12	(mm)	3318
4.19	Overall length	l1	(mm)	1460
4.21	Overall width	b1/b2	(mm)	750
4.35	Turning radius	Wa	(mm)	1300
Performance				
5.1	Travel speed, with / without load		km/h	5.5 / 5.5
5.2	Lifting speed, with / without load		m/s	0.2/0.22
5.3	Lowering speed, with / without load		m/s	0.21/0.18
5.8	Maximum gradeability, with / without load		%	5 / 8
Electric motors				
6.1	Drive motor capacity (60 min. short duty)		kW	0.65
6.2	Lift motor output at 15% duty factor		kW	2.2
6.4	Battery voltage / capacity at 5-hour discharge		V / Ah	24 / 100
6.5	Battery weight		kg	26
6.6a	Energy consumption according to EN16796		kWh / h	0.41
Miscellaneous				
8.1	Type of drive control			AC Traction
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)	69

1) Load weight on tray + load weight on chassis + driver's max. weight



Wa = Turning radius  
 a = Safety clearance = 2 x 100 mm  
 $R = \sqrt{(l6 + a)^2 + (b12 / 2)^2}$   
 l6 = Pallet length (800 or 1000 mm)  
 b12 = Pallet width 1000 mm

## STANDARD EQUIPMENT AND OPTIONS

GENERAL	MN003802
Smart handle with keyless PIN code panel and RFID card	●
Curtis controller	●
24V/100Ah Li-ion battery	●
Built-in 24V/25A charger	●
Electric power steering (EPS)	●
Emergency lowering switch from chassis	●
Safety warning lights, buzzer and blue-spot light	●
Side and front lights	○
UK plug	○

● Standard ○ Option

# EQLine

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

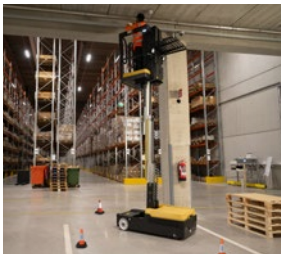
**Our EQ line warehouse trucks have everything you need for dependable, entry-level materials handling. That includes sturdy construction, simple maintenance, energy-efficient features, robust performance, user-friendly design, and safety. A product line for light applications. If that's what you need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

With our truck's stable mast and chassis, you're safe to lift the platform to 3.3 metres. From there, you can reach items as high as 5 metres. The truck will carry up to 100 kg on its load tray, 130 kg on its platform and 150 kg on its battery panel.

This versatile order picker works at the 1st, 2nd and 3rd racking levels. You can also use it for inspection and maintenance tasks at heights. Changing a light bulb or repairing a ceiling fixture, for example.

As well as high stability, it offers automatic aids to prevent falls. It will only operate if the safety gates are closed. Three travel speed limits, set according to platform lift height, are automatically applied.

Easy, precise controls and a very small turning circle make it quick to manoeuvre in tight spaces. Meanwhile, Li-ion battery technology and low maintenance needs keep it constantly available for action.



## LOWER COST OF OWNERSHIP

- High-quality, robust construction ensures reliable operation over a long lifetime, with minimal servicing and repair needs.
- AC drive motor promises a long service life with low maintenance needs.
- Li-ion batteries give maximum lifespan, efficiency and runtime, with no need for water top-ups or other maintenance.
- Display includes fault warnings, enabling timely attention to prevent damage.
- Convenient PIN code access and keyless start, supported by RFID tags, prevents unauthorised use and saves time.

## UNMATCHED PRODUCTIVITY

- Compact and stable design enables fast, safe performance with great manoeuvrability.
- Small footprint (750 mm wide) combines with easy steering for tight turns (with 1300 mm turning radius) and flexible mobility in narrow aisles.
- Low height with mast collapsed (1454 mm) aids passage through doorways.
- High lifting ability allows raising of platform up to 3.3 metres, enabling operator to reach heights up to 5 metres.
- Side light enables clear vision for picking or placing of goods, with no loss of productivity in darker areas.
- 24V/106Ah 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.
- Advanced battery management system (BMS) optimises power, lifetime and safety.

## SAFETY AND ERGONOMICS

- Low step-in height eases platform entry and exit.
- Loading tray position is electrically adjustable for convenience and safe forward vision.
- Solid mast structure and stable chassis enable safe handling of loads at maximum lift heights.
- Safety gates prevent operator from falling from the truck.
- Automatic gate lock prevents lifting and travel if gates are open.
- Automatic height-related travel speed reduction sets safe limits to ensure stability: 5.5 km/h at 0-500 mm; 3.2 km/h at 500-1500 mm; 1.4 km/h at 1500-3318 mm.
- Left and right multi-functional handles enable simultaneous control of acceleration, lifting/lowering and steering.
- Controls are simple to use, responsive and precise, for smooth operation.
- Blue floor light, amber warning light and reversing buzzer alert pedestrians and other truck operators to the order picker's presence.
- 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



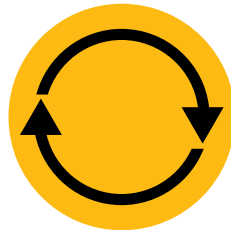
## **LONGER RUNTIME**

– 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

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