

EP16PNT - EP20PNT - EP25N - EP25CN - EP30N - EP30CN - EP35N



DELIVERING MORE

ELECTRIC POWERED LIFT TRUCKS

1,600 - 3,500 KG.

CAT® Lift
Trucks

HIGH-PERFORMING, DURABLE AND FLEXIBLE

3 WHEEL MODELS

MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP16PNT	1.6	48	500
EP18PNT	1.8	48	500
EP20PNT	2.0	48	500

4 WHEEL MODELS

MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP25N	2.5	80	500
EP25CN	2.5	80	500
EP30N	3.0	80	500
EP30CN	3.0	80	500
EP35N	3.5	80	500

The latest comprehensive electric counterbalance range from Cat® Lift Trucks is built to meet every need with its dependable performance, durability and adaptability – backed by excellent customer service.

Whatever the challenges of your shift pattern, application or environment, we can offer your business a total solution.



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BENEFITS TO YOUR BUSINESS

For a great return on your investment, and low total cost of ownership, you can't beat the energy efficiency, performance, durability and easy maintenance of this range.

Equipped to withstand harsh duties and conditions, and easily programmable, you will find flexible, operator-friendly models for an impressive variety of uses.

Your Cat® lift truck dealer will show you the one that matches your requirements perfectly, and will be there to give you all the support you need to maximise your materials handling productivity and profitability.

BUILT AROUND YOUR OPERATOR

Your most valuable assets of all are your personnel. Like you, we invest heavily in meeting the needs of operators – and that investment generates increased productivity. Here are just a few of the design features that give your operator the comfort and control to do the best job possible.

- Smooth, quiet, precisely controlled performance
- Clear all-round view
- Uncluttered space for legs and feet
- Adjustable full-suspension seat and tiltable steering column
- Easy-to-reach, easy-to-use controls
- Informative, simple-to-read instrument panel
- Unobstructed on/off access with low step heights and handy grab bars



FLEXIBLE AND TRULY ECONOMICAL

Performance and efficiency can be optimized for each application through full programming, or by simply selecting one of the pre-set operating modes. Profits are maximized by achieving the right balance between output and economy.



MAIN WAREHOUSE

NORMAL WAREHOUSE

- Moderate acceleration, moderate travel speed, moderate hydraulic speeds.



SHIPPING AREA

HIGH PERFORMANCE

- Fast acceleration, fast travel speed, moderate hydraulic speeds.



LONG SHIFTS

ECONOMY

- Slow acceleration, low travel speed, moderate hydraulic speeds.



OUTSIDE APPLICATION

LONG TRAVEL

- Slow acceleration, high travel speed, moderate hydraulic speeds.



RECEIVING AREA

SHORT SHUTTLE

- Fast acceleration, low travel speed, moderate hydraulic speeds.

COMPLETE FLEXIBILITY AND LOW TOTAL COST OF OWNERSHIP

For extra application flexibility, many of our trucks offer panel cabin options and sealing of key components – allowing comfortable and dependable operation both outdoors and indoors.

As well as saving money daily with their low energy consumption, our lift trucks are able to reduce the total cost of ownership through features such as:

- Sealing of components against water and other contaminants
- Wet disc brakes and other low-maintenance systems
- Use of highly durable materials and designs
- Long service intervals



1,600 - 2,000 KG. | 48V

VERSATILE 3-WHEEL POWER

These dependable 'workhorses' are kind to the environment and gentle on the operator – but tough in the face of wet, dusty and other adverse conditions. Compact and highly maneuverable, they are well suited to workplaces with restricted space and height such as containers, lorries and drive-in racking.

TYPICAL APPLICATIONS

- Food and beverage manufacturing and wholesale
- Fishing and fish processing
- Chemicals, textiles and rubber
- General and refrigerated warehousing and storage
- Machinery and heavy equipment
- Electric equipment and components

Unstoppable performance

The trucks will work non-stop in a huge variety of applications and conditions. Blasting rain, splashing water, mud, dust and other contaminants are no problem, thanks to their maintenance-free wet disc brakes and IPX4 component sealing. For back-to-back shifts, the optional lateral battery exchanger ensures no time is wasted – while accommodation of both DIN and BS size batteries avoids complication. Extra productivity is gained by a long service interval of 1,000 hours.

To avoid downtime and expense resulting from damage to the truck, load and racking – and, most importantly, to protect the operator and other workers – a number of safety features are built into the design. They include PDS+ (Presence Detection System+), which prevents all movement of the truck and its hydraulics if the driver is not seated. PDS+ also has an automatic parking brake and hill hold function. Intuitive

Speed Control automatically avoids excessively fast cornering.

Perfect precision and control

From the comfort of an adjustable suspension seat, the operator finds an array of ergonomically designed controls within easy reach. The 'steer-by-wire' system has a small steering wheel – just 25 cm – which requires minimal turning effort. Fingertip hydraulic controls are set into an adjustable armrest and there is an auto-style pedal layout.

The masts and overhead guard (OHG) are designed to give a clear view of the fork tips, racking and loads. An optional Hi-Viz OHG enhances upward views while protecting the operator from small falling objects and rain. Made from polycarbonate, with a glass layer to prevent scratches and discoloration, it is reinforced with steel towards the rear while its front is totally transparent.

More choices

The Hi-Viz OHG (High Visibility Over Head Guard) can be complemented by a range of all-weather cabin packages and equipment, with options including front and rear panels, side doors, wipers, heater, 12V connector, sun visor, tilt cylinder covers and interior light.

In addition to the wide selection of options and capacities, you can choose between compact (C) – for tight spaces – and standard chassis versions in the 3 wheel (T) model list. Turning circles are particularly small in the 3 wheel trucks, which are ideal for intensive short-shuttle work and use in confined areas.

3 WHEEL, 48V MODELS

MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP16PNT	1.6	48	500
EP18PNT	1.8	48	500
EP20PNT	2.0	48	500





KEY FEATURES AT A GLANCE

- Wet disc brakes require no maintenance and are unaffected by water, dirt or salt.
- Long service interval – 1,000 hours – increases uptime.
- Small steering wheel and ‘steer-by-wire’ system gives comfortable, precise control with minimal effort.
- Presence Detection System+ (PDS+) provides automatic parking brake and hill hold function, while preventing all travel and hydraulic movement if the operator is not seated.
- IPX4 sealing protects motors and other electrical components from rain, splashing water, mud and dust.
- Intuitive Speed Control automatically adjusts drive speed, in proportion to the steering angle, for safe cornering.
- LED working lights are highly effective and require no maintenance.
- Mast and overhead guard (OHG) structure provides excellent all-round visibility.
- OHG is designed for simple fitting of panel cabins.
- Rear grab handle with integral horn button increases comfort and safety while reversing.
- Diagnostics and precise matching of performance to operator and application needs can be achieved quickly and simply via laptop connection.
- Familiar auto-style pedal layout is intuitive and ergonomic.
- Adjustable armrest with fingertip hydraulic controls makes load handling comfortable, effortless and precise.
- Fully adjustable suspension seat ensures comfort for all shapes and sizes of operator.
- Tilttable steering column adjusts to suit operator.
- Open step design allows easy on/off access.
- Accommodation of both DIN and BS size batteries gives extra flexibility.
- Access to all components is simple and quick, to minimize downtime for servicing.
- Market-leading low noise levels add to operator comfort.
- Multi-function display ensures operator and service engineer awareness of truck status, encouraging correct use and maintenance.

2,500 - 3,500 KG. | 80V

INTENSIVE PRODUCTIVITY

This range answers the need for high-powered performance in applications where IC engine lift trucks and their emissions are not permissible. Designed to cope with intensive duties and tough conditions, the trucks are highly productive and, at the same time, a pleasure to drive, thanks to their agility, intelligence and comfort.

TYPICAL APPLICATIONS

- Food and beverage manufacturing and wholesale
- Paper manufacturing and wholesale
- Foundries
- Chemicals, textiles and rubber
- Machinery and heavy equipment

Agile and intelligent

The perfect lift truck should constantly adjust its own performance characteristics as circumstances change, and in this range the idea of intelligent automatic adaptation has been taken to a whole new level. Its adaptive speed control, which is part of the Responsive Drive System (RDS), seems to know how the driver wants the truck to behave at any moment. Reacting to how quickly the accelerator pedal and hydraulic controls are being moved, it instantly selects the most appropriate mode. RDS also smooths out all stops, starts and other movements.

Compared to traditional cornering systems, this truck's intelligent curve control reduces speed in a much more natural and comfortable way. Starting with a small reduction, as the turn begins, the system responds so smoothly to the steering that the driver notices no sudden change or tilting sensation as the truck corners. Another great advance over its competitors is the next-generation dual drive 4 wheel steering system, which makes the truck much more maneuverable. With +100° rear axle rotation and curve control, turns are tight and smooth. When reversing, side turns can be made immediately

4 WHEEL, 80V MODELS

MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP25N	2.5	80	500
EP25CN	2.5	80	500
EP30N	3.0	80	500
EP30CN	3.0	80	500
EP35N	3.5	80	500

without pushing back. Uniquely, the truck can actually be steered using the front axle. As well as giving improved agility and grip, the system reduces tire wear and stress on the rear axle.

Comfortably in control

The spacious, high-comfort cabin and its equipment are ergonomically designed to allow strain-free operation with minimal need for the driver to move. Features include a flat, unobstructed floor, adjustable seat and steering wheel, pedals at optimum angles and, to maximize the view, a specially inclined dashboard and counterweight. A totally redesigned adjustable armrest brings the new progressive hydraulic controls and related functions within comfortable reach of the operator's fingertips. Even entering or leaving the cabin is easy, thanks to the step's large, high-grip surface, the long grab handle and the curved shape of the battery cover and side panel, which encourage fast, flowing motion.

The operator is kept fully informed via a color display, which can be read easily from different angles. Clear messages are given in the operator's language, along with helpful symbols. A twin-mode key switch can be set to ECO or PRO, depending on the driver's experience and the need for low energy use or rapid performance.





KEY FEATURES AT A GLANCE

- Responsive Drive System (RDS) with adaptive speed control adjusts truck performance modes in reaction to quickness of foot and fingertip movements, to meet driver's changing needs, and ensures smooth starts and stops.
- Intelligent curve control makes speed reduction in cornering feel natural, with no sensation of leaning, for safe but productive driving.
- Twin-mode key switch offers ECO setting for beginners, or for low energy consumption, and PRO for experienced drivers and high performance, while optional customization is available to meet specific needs.
- Next-generation dual drive 4 wheel steering system, with curve control, +100° rear axle rotation, instant no-push side turns and unique ability to steer using front axle, delivers unbeatably agile maneuvering, better traction and longer tire life.
- Full-color, weather-protected, clear-view display, with information in operator's own language and simple-to-learn functionality, advises on truck status, avoids misuse and protects your investment.
- Totally redesigned adjustable armrest, combining anatomical support with free movement and perfect hand positioning, features spring-force-optimized fingertip hydraulic controls or – as an option – intuitive joystick control.
- Wide, high-grip step, long grab handle and curved truck design allow fast, smooth-flowing on-off access to large, comfortable operator space with flat, unobstructed floor.
- Ergonomic layout of controls and display, together with adjustable seat and steering wheel position, optimized pedal angles and excellent all-round view, allows strain-free operation.
- Armrest options include control of forward/reverse selection, clamp release and automatic tilt centring, using only the driver's fingers.
- Intelligent speed and movement reduction (optional) automatically limits travel and tilt rates when forks are above free lift height, to optimise both stability and agility.
- Automatic hydraulic parking brake and hill hold function, instantly engaged when accelerator is released, prevents rolling on ramps without need for use of a switch or lever.
- High standard specification includes Presence Detection System+ (PDS+), maintenance-free wet disc brakes and IP54 sealing of main components.



MAXIMIZING YOUR UPTIME

To maximize uptime and maintain the performance levels of these durable trucks, we build easy servicing into their design.

Our advanced controllers not only optimize power and efficiency but allow on-the-go system monitoring, self diagnostics and fault memory logging. They warn of problems, tell the technician where to look and even give a reminder when a service is due. With all areas easily accessible, and no need for external test equipment, servicing is fast and simple.

For the best possible return on your investment, your Cat dealer can tailor a cost-effective preventative maintenance plan.



TOTAL SOLUTIONS FOR EVERY CHALLENGE

The performance and durability of these Cat electric lift trucks is without question. It owes much to the expertise, advanced technology and strict quality standards applied by our ultra-modern production centre.

To help you choose the right model and configuration, and maintain its productivity, we have an equally dedicated network of dealers. With their specialist knowledge, wide experience and excellent service they will support you in every way to maximize your profits.

As well as electric counterbalance trucks, they offer a comprehensive range of warehouse equipment and IC engine lift trucks. They also have a broad selection of acquisition options – including outright purchase, short or long term rental and leasing – and will tailor a plan to meet the needs of your business.

Whatever your problem, Cat Lift Trucks and its dealers have the solution.



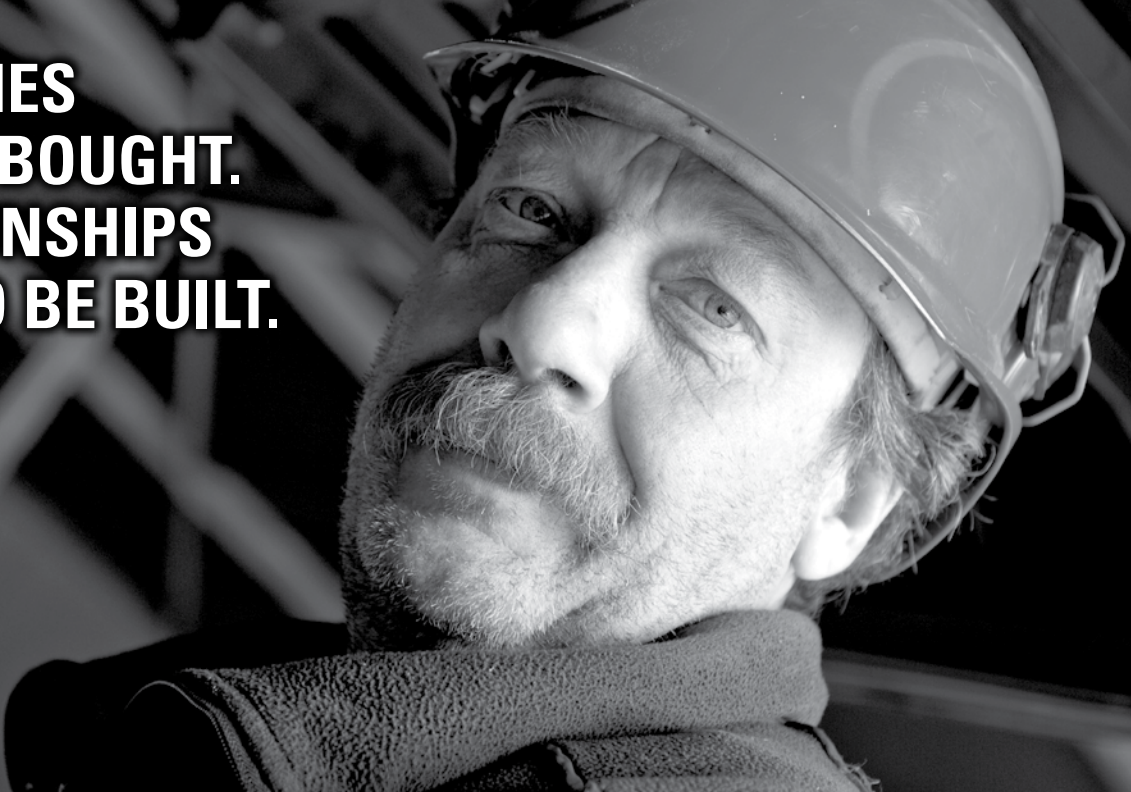


Whatever materials handling equipment you need, our global network of Cat lift trucks dealers is equipped to provide the solution.

Our constant investment in selecting, developing and supporting our dealer network ensures you receive not just the best equipment but the best service, advice and support in the industry.

BUILT FOR IT.™

**MACHINES
CAN BE BOUGHT.
RELATIONSHIPS
HAVE TO BE BUILT.**



www.cat-lift.com

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CAT® Lift
Trucks