



EP10-15KRT PAC, EP16-18CPN(T), EP13-20PN(T), EP20-35K PAC, EP40-50

Electric powered lift trucks
1.0 - 4.9 tonnes



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DURABLE, ADAPTABLE AND BUILT TO PERFORM

Cat® Lift Trucks offers one of the most dependable and complete electric lift truck ranges in the industry. Whatever your shift pattern, application type or usage we have the right materials handling solution for your business.

3 WHEEL MODELS			
MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP10KRT PAC	1.0	24	500
EP12KRT PAC	1.25	24	500
EP15KRT PAC	1.5	24	500
EP13PNT	1.3	48	500
EP15PNT	1.5	48	500
EP16CPNT	1.6	48	500
EP16PNT	1.6	48	500
EP18CPNT	1.8	48	500
EP18PNT	1.8	48	500
EP20PNT	2.0	48	500

4 WHEEL MODELS			
MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP16CPN	1.8	48	500
EP16PN	1.6	48	500
EP18CPN	1.8	48	500
EP18PN	2.0	48	500
EP20PN	2.0	48	500
EP20K PAC	2.0	80	500
EP25K PAC	2.5	80	500
EP30K PAC	3.0	80	500
EP35K PAC	3.5	80	500
EP40	4.0	80	500
EP45	4.5	80	500
EP50	4.9	80	500

FEATURES THAT BENEFIT YOUR BUSINESS

You'll appreciate the advanced clean green AC power, giving you greater performance, longer shift cycles and simpler maintenance; particularly in heavier applications and demanding conditions.

Versatile configurations and easily programmable operating characteristics let you match machine performance with operator experience and load type in virtually any internal application and many external uses too.

We're sure you'll find the right trucks in the following pages, to boost your shift productivity and handling efficiency. Why not ask your Cat lift trucks dealer for advice on the right trucks for your needs? Their contact details are on the back page.



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KEEPING YOUR OPERATORS PRODUCTIVE

Reducing costs while making business more profitable are essential for any successful company.

When you realise that a significant percentage of a company's operating costs is its personnel, it makes good sense to give them the best equipment. That's why we pay particular attention to the operator's needs when designing our trucks, to help you get the most out of your overhead.

Our electric trucks share many features which operators have already come to appreciate and which help improve efficiency, such as...

STANDARD COMFORT EQUIPMENT

- Ergonomic, quiet and functional operator compartment with generous, all-round visibility and well laid out controls, for a highly productive work environment.
- Low step height and handy grab bars enable easy on/off access.
- Generous foot and leg room - even on the most compact models.

- Adjustable full suspension seat and tilt steering column ensure a comfortable driving position for any operator.
- Fingertip hydraulic controls contribute to a relaxed operation and infinite precision, no matter the nature or configuration of goods handled.
- The instrument panel keeps your driver informed of machine running status, battery charge, etc, as well as flagging potential problems.
- Extremely quiet operation of motor and pump makes for a comfortable working environment.



FLEXIBLE, PROGRAMMABLE PERFORMANCE

Preset operating modes along with full programming capability allows each truck to be set-up for optimum performance and efficiency in almost any application.



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



Optional **panel cabins** available for many trucks in the range, allowing for comfortable external use.



IPx4 Weather Protection
Ingress Protection against water, in the 48 volt range, allows for dependable operation outside or in contaminated environments.



Long Service Intervals
combined with great durability reduces Total Cost of Ownership and maximizes profits and productivity.



Maintenance-free oil-cooled **Wet Disk Brakes** allow for use in food applications and in the fishing industry, by preventing the release of fine dust particles and preventing corrosion from salt ingress.

1.0-1.5 tonnes: LIGHT DUTY ECONOMY

These compact trucks are ideally suited to lighter duty warehouse tasks with intermittent shift patterns. They're easy to operate by the inexperienced or occasional operator and are very economical to use. Typical energy consumption is a low 4.75 kWh/h for its designated applications.

Typical applications

- Grocery stores
- Do-it-Yourself stores
- Garden Centers
- Food and Beverage distribution
- Container Stuffing
- Narrow aisle

As with our bigger models, this range also features five pre-set operating modes,individually programmable performance, built-in system protection and fault memory. This helps keep your operator productive and also minimises truck maintenance downtime.

3 WHEEL, 24V MODELS			
MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP10KRT PAC	1.0	24	500
EP12KRT PAC	1.25	24	500
EP15KRT PAC	1.5	24	500

Comfortable and easy to use

We understand the importance of a comfortable and safe operator compartment. An adjustable, full suspension seat, tiltable steering wheel and spacious footwell accommodate operators of all sizes in comfort, even on such a compact truck.

While for safety reasons, the Presence Detection System (PDS) prevents accidental operation while the driver is not seated. Rounded panel corners and low step height make on/off access easy from both sides, which is especially useful when working in confined areas and narrow aisles.



1.0-1.5 TONNES TRUCK CHARACTERISTICS

- 24V AC motor mounted on the rear/steer axle. The AC drive motor provides optimum torque/speed balance. It is equipped with a low-voltage cut-out protection system.
- MicroCommand AC controller for excellent energy efficiency & smooth performance.
- Programmable operating parameters for job-matched energy requirement and efficiency.
- Run-time diagnostics ensure continuous surveillance of main operating systems.
- Regenerative braking ensures efficient use of battery energy and reduces brake wear.
- Hydraulic functions controlled by short, easy-to-reach ergonomic levers.
- The dual tilt cylinder configuration improves mast rigidity for better stability with high loads.
- Short wheelbase with excellent steering precision makes them highly maneuverable.
- Easy service access. Simple systems. Maintenance checks and repairs can be carried out quickly. Downtime is kept to a minimum.
- Presence Detection System (PDS) prevents accidental operation if driver not seated correctly.
- 500 hours service intervals for maximum "up time".
- 'Familiar' automotive pedal layout and steering wheel for easy operation.
- Backup alarm supplied as standard.

1.3-2.0 tonnes: VERSATILE 3- & 4-WHEEL POWER

Powerful general workhorses for warehouse use and where engine powered trucks are not allowed. This range is particularly suited to applications with low overhead clearances such as in containers, delivery vehicles, drive-in racking and so on.

Typical applications:

- Food and beverage manufacturing and wholesale
- Fishing Industry
- Chemical, textile & rubber
- General & refrigerated warehousing and storage
- Machinery & heavy equipment
- Electric equipment & components

These trucks benefit from a number of features designed to broaden the range of applications, speed up work cycles, or improve safety. For example, the ‘maintenance-free’ wet disc brakes make them ideal for use in fisheries and other food industries. Because they’re fully enclosed they’re also suitable for use in contaminated or dusty environments without loss of performance. The battery compartment accommodates both DIN and BS size batteries for added flexibility, while the optional sideways, quick battery exchanger maintains productivity in back-to-back shifts. The ‘Steer by Wire’ system and small, 25cm diameter steering wheel requires less turning and effort, making it very comfortable to use. Long service intervals of 1,000 hours keep the trucks productive for longer and also reduce your total cost of operation.

There are also a number of safety features that encourage safe operation and the protection of the driver, the truck, the load and racking, as well as other workers in the vicinity. These include:

- ‘Presence Detection System’ (PDS+) that prevents accidental operation of the truck and hydraulics if the driver is not seated. PDS+ also incorporates hill-hold and automatic park brake.
- Intuitive Speed Control contributes to safer operation when cornering.

Clear views of fork tips for accurate handling

The standard overhead guard (OHG) and masts are designed for clear views of fork tips, racking and loads. While the optional ‘Hi-Viz’ OHG features a top front section made of clear poly carbonate with a glass layer (that prevents scratches and sun discoloration) and a steel section towards the rear of the OHG. The benefits are clear, unobstructed views of the fork tips and protection from small falling objects and wet weather.

Flexible cabin packages

Fitted to the Hi-Viz overhead guard, cabin package options include front and rear panels and side doors to partially, or fully enclose the compartment, for comfortable operation in extreme conditions. Options also include windscreen wipers, heater, 12V connector, sun visor, tilt cylinder covers and an interior light.

Attractive styling, functional design

With ergonomics and safety in mind, the operator’s compartment features a fully adjustable fingertip control armrest, tiltable steering column, automotive pedal layout and an adjustable suspension seat.

3 WHEEL, 48V MODELS

MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP13PNT	1.3	48	500
EP15PNT	1.5	48	500
EP16CPNT	1.6	48	500
EP16PNT	1.6	48	500
EP18CPNT	1.8	48	500
EP18PNT	1.8	48	500
EP20PNT	2.0	48	500

4 WHEEL, 48V MODELS

MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP16CPN	1.8	48	500
EP16PN	1.6	48	500
EP18CPN	1.8	48	500
EP18PN	2.0	48	500
EP20PN	2.0	48	500

Rain resistant models

‘IPx4’ Rain Resistance protects components from water ingress coming from all-angles allowing operations in outside applications and wet environments.

Compact variants

There are two 3-wheel and two 4-wheel compact models (C) that are designed for narrow locations.

3-Wheel agility

3-wheel models (T) are agile and highly maneuverable with very tight turning circles, making them perfectly matched for intensive short shuttle work and activities in confined areas.

Your Cat lift trucks dealer can recommend the right trucks for your applications.



1.3-2.0 TONNES TRUCK CHARACTERISTICS

- ‘Maintenance-free’ wet disc brakes (WDB).
- 1,000 hours service intervals for increased ‘up time’.
- ‘Steer by wire’ and small steering means less effort and greater comfort.
- PDS+ that includes ‘hill hold’ and auto park brake.
- IPX4 Rain Resistance protects electric components from water ingress.
- Intuitive Speed Control when cornering.
- ‘No-maintenance’ LED working lights.
- High visibility mast and overhead guard.
- Clever overhead guard design allows simple application of panel cabins.
- Back-up handle with horn button, when reversing.
- Programmable performance and diagnostics through Laptop.
- Automotive pedal layout for familiar and ergonomic operation.
- Adjustable armrest with fingertip controls for precise load handling.
- Fully adjustable suspension seat to suit all operator shapes and sizes.
- Tilttable steering column.
- Open step frame for easy on/off access.
- Accommodates both DIN and BS size batteries.
- Easy access to all components.
- Lowest noise levels in the market.
- Multi function display shows relevant information and error codes.



2.0-3.5 tonnes: TOUGH AND PRODUCTIVE

These trucks are ideal alternatives where the performance of a Diesel or LP gas truck is needed, but not permitted due to legal regulations.

In other heavy-duty applications with tough, dusty environments, the sealed traction motor helps keep the truck highly productive.

Typical applications:

- Food and beverage manufacturing and wholesale
- Paper manufacturing and wholesale
- Foundries
- Chemical, textile & rubber
- Machinery & heavy equipment

This 4 model range is built with enough power to deliver internal combustion engine performance, while also being energy efficient and kind to the environment.

Programmable application-matched power is achieved by combining powerful AC motors with sturdy power trains that work in harmony with the MicroCommand® computer control system.

They're easy and smooth to drive and are designed to handle goods with maximum care and exceptional agility. They reflect world class quality from the wheels up.

4 WHEEL, 80V MODELS			
MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP20K PAC	2.0	80	500
EP25K PAC	2.5	80	500
EP30K PAC	3.0	80	500
EP35K PAC	3.5	80	500

2.0-3.5 TONNES TRUCK CHARACTERISTICS

- Clean, comfortable operator's compartment with ergonomic and functional controls.
- Tilttable steering column.
- Fingertip hydraulic controls mounted on an adjustable armrest, for easy comfortable use.
- Easy service access to all components.
- Tough, rigid, high visibility masts ensure load stability at height.
- Comprehensive instrument panel keeps operators informed
- MicroCommand® controller with fault warning, fault memory, run time and self diagnostics.
- Programmable performance parameters and 5 pre-set operating modes.



4.0-4.9 tonnes: HEAVY DUTY POWER

These trucks are designed to handle heavy loads in some extremely tough environments. They can be used with a variety of heavy attachments such as multi pallet handlers, bale clamps, paper roll clamps, carpet booms and fork spreaders etc.

This makes them very adaptable, clean and powerful alternatives to diesel or LPG trucks and suitable for many indoor and outdoor applications.

Typical applications:

- Food and Beverage manufacturing and wholesale
- Paper & Pulp Industry
- Saw mills
- Furniture
- Steel works / Foundries
- Ports
- Carpet manufacturing and wholesale
- Chemical, textile & rubber
- Machinery & Heavy Equipment
- Automotive assembly
- Building and Construction

With maintenance-free wet disc brakes and AC motors these trucks keep servicing costs down. While intelligent monitoring helps ensure that the trucks are serviced as and when required, keeping downtime to an essential minimum.

4 WHEEL, 80V MODELS			
MODEL	CAPACITY (tonnes)	VOLTAGE (V)	LOAD CENTRE (mm)
EP40	4.0	80	500
EP45	4.5	80	500
EP50	4.9	80	500

4.0-4.9 TONNES TRUCK CHARACTERISTICS

- Powerful AC traction motor sealed against dust and water splashes, ideal for adverse conditions
- Optimum torque for excellent acceleration, traction, speed and braking.
- Ergonomically designed fingertip hydraulic controls, reducing operator fatigue.
- Automatic speed reduction increases stability of the truck when cornering with a load.
- Automatically applied park brake and anti roll back function ensure that the truck is always parked safely, even on a ramp.
- Traction Control and strong regenerative braking speeds up working cycles, extends battery life and reduces brake wear.



SERVICE AND MAINTENANCE MADE EASY

THE RIGHT SOLUTION FOR YOU



No lift truck can deliver a return on investment without proper and regular maintenance and that's why these trucks are fitted with a MicroCommand® controller.

To help manage preventative and regular maintenance with an absolute minimum of downtime, our trucks include high energy efficiency, on-the-go system monitoring, self diagnostics and fault memory logging.

In addition, on all models, a built-in service reminder can be programmed so that maintenance can be scheduled at intervals to suit your shift patterns.

When it comes to the all-important service intervals, the 'controller' automatically pinpoints the origin of any problems, telling the service technician what to look for.

And since control and diagnostic systems are fully built-in, there's no need for external test equipment. Regular maintenance and servicing is fast and simple, aided by quick and easy access to all major components and systems.

We are committed to lengthening service intervals and reducing maintenance downtime wherever possible, to keep your trucks working for you for longer periods.

Your dealer can tailor a very cost effective preventative maintenance plan to help deliver a real return on your investment. Their details are on the back page.

All Cat Lift Trucks products are built to last. Our electric models are no exception. They combine toughness and operator comfort with the most advanced technical features.

They are built to the strictest design tolerances in one of the most modern production units in Europe. They are packed with features such as high visibility masts, MicroCommand® based electronics and fingertip hydraulic controls, which leave the operator free to fully concentrate on his work.

Benefit from your Cat lift trucks dealer expertise

Our worldwide distribution network is rightly renowned for its expertise and knowledge. When you need advice or help, you will always find an experienced and dedicated team of professionals to support you. Individuals committed to help you maximize your profits.

Our dealers also provide a comprehensive range of products and services that includes diesel/LPG powered lift trucks and warehouse equipment, such as power pallet trucks, order pickers, stackers or reach trucks.

Acquisition options to suit your cashflow

Your dealer can advise on a full range of acquisition options including: outright purchase, short and long term rental as well as leasing. Ask your dealer to help you find the right plan to suit your business.

Remember, when your materials handling organisation requires the best, you can rely on Cat Lift Trucks and its experienced dealer network.



WHAT OUR HERITAGE MEANS TO YOU

For over 80 years Caterpillar has built some of the world's best construction and mining equipment, designed to perform in the toughest environments.

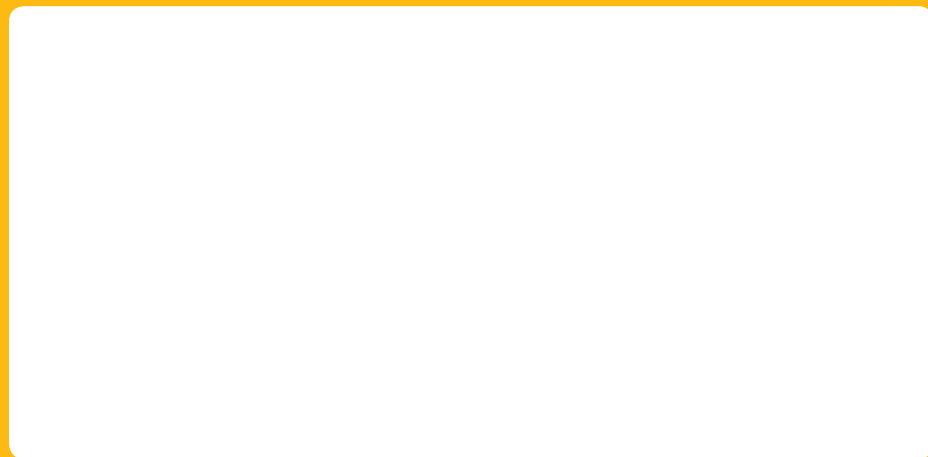
This same philosophy and heritage is evident in our materials handling equipment, which includes a complete range of electric, diesel and LPG powered lift trucks and warehouse equipment.

With our extensive dealer network, we are fully equipped to deliver tailored materials handling solutions across the globe. With additional centers located in the USA, Singapore and Japan, we have a unique and powerful infrastructure making us readily available, in the right places, at the right time.

We continually invest in the selection, development and support of our dealer network to provide you with the best equipment, service and advice in the industry.

Come and talk to us about your materials handling requirements.
Contact your dealer now or visit our website: **www.catlifttruck.com**.

Cat Lift Trucks.
Your partner in materials handling.



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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.

CAT® Lift
Trucks