



CAT[®] EP60-120N(H) ELECTRIC POWERED LIFT TRUCKS

CAT[®] Lift
Trucks

HEAVYWEIGHT REWARDS

Invest in improvements that pay for themselves,
with Cat heavy electric forklifts





EP60N
EP60NH
EP65N
EP65NH
EP70N
EP70NH
EP80N
EP80NH
EP80N-900
EP80NH-900
EP90N
EP90NH
EP100N
EP100NH
EP120NH

Electric powered lift trucks

**96V
6.0 – 12.0 tonnes**

OVERVIEW

These trucks pay for themselves and boost your profits by...

... **saving on your operating costs** day after day with

- high energy efficiency
- easy maintenance
- great durability

...**increasing your productivity** and hence your income with

- high-performance technology and design
- empowered, optimally productive drivers
- lower risk of accident-related disruption and expense



OVERVIEW

Save money

- Energy-efficient technology increases work achieved per battery charge.
- Easy, quick maintenance reduces servicing costs and interruption of productivity.
- Robust build quality and protective sealing reduce repair and part replacement needs, expense and downtime – and help retain truck value.
- It all adds up to a lower total cost of operation (TCO).



OVERVIEW

Boost performance

- Powerful, precisely controlled motors make all driving and load handling actions rapid, accurate and smooth.
- High stability and residual capacity enhance lifting capabilities.
- Advanced steering systems and compact design make manoeuvring agile, fast and safe.



OVERVIEW

Optimise your drivers

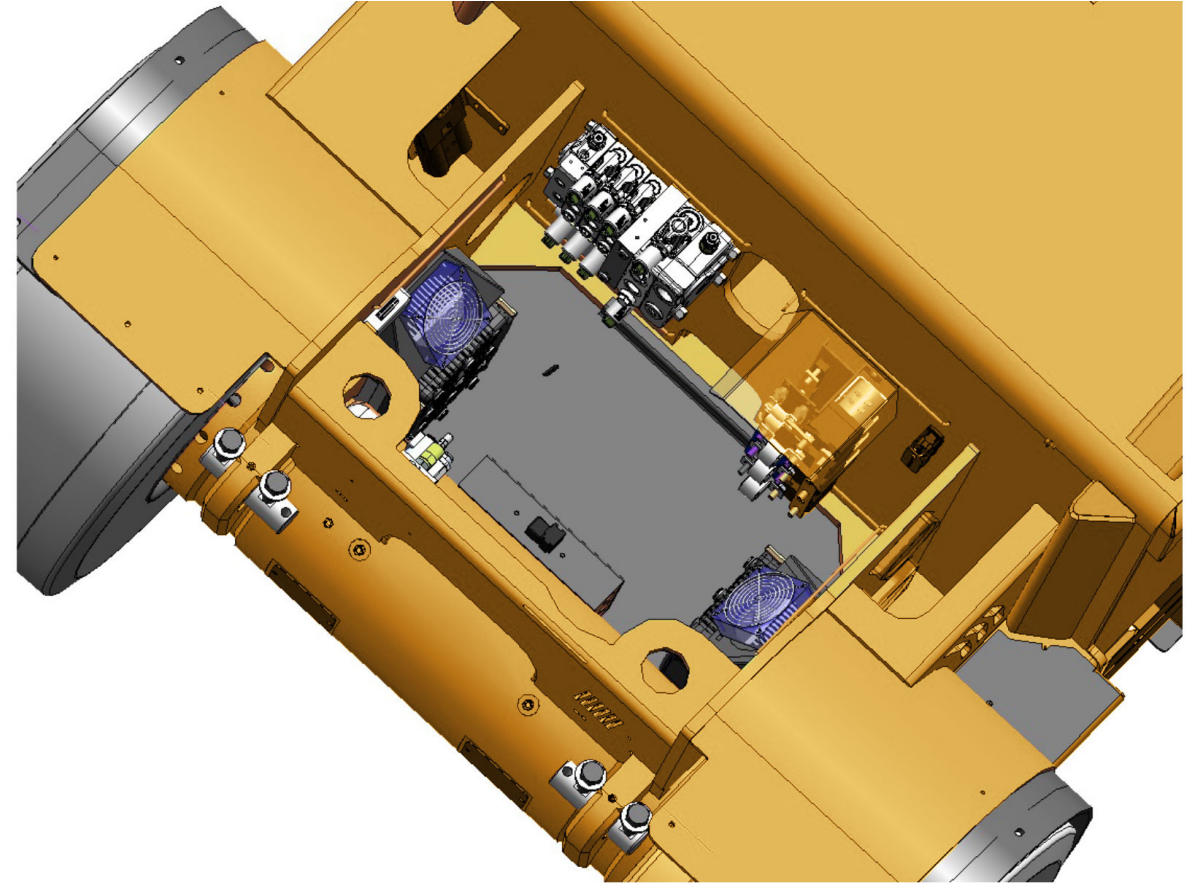
- Quiet, comfortable, enjoyable working conditions help to get the best out of your drivers – your most valuable assets of all.
- Ergonomic, precise controls and clear vision enable fast work rates with little effort.
- Tiredness, fatigue, stress and strain are minimised – reducing the chances of related illness, absence or poor performance.
- Added safety features lower the risk of accidents, injuries and damage – along with their associated productivity losses and other costs.



SAVE MONEY

Energy efficiency

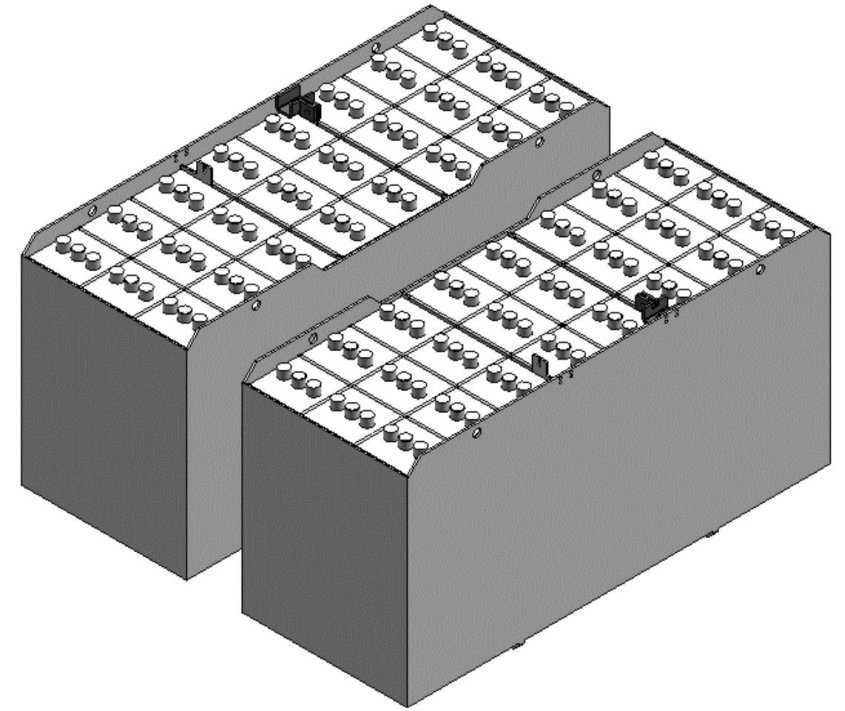
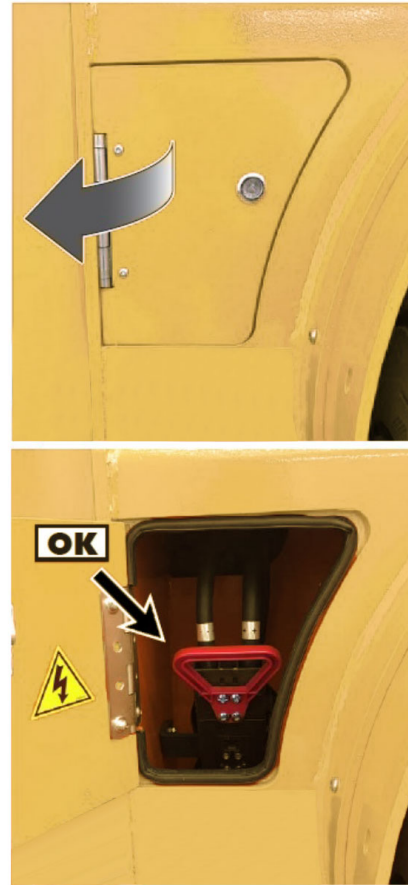
- **Latest electric motor technology:** reduces energy consumption while increasing power.
- **Advanced controllers:** ensure highly efficient motor management and are positioned close to their respective motors to shorten wiring and minimise energy losses.
- **Large battery capacity and voltage:** combine with high electrical system efficiency to extend working hours (runtime) while enabling strong performance.
- **Strong regenerative braking:** recycles energy.



SAVE MONEY

Easy maintenance

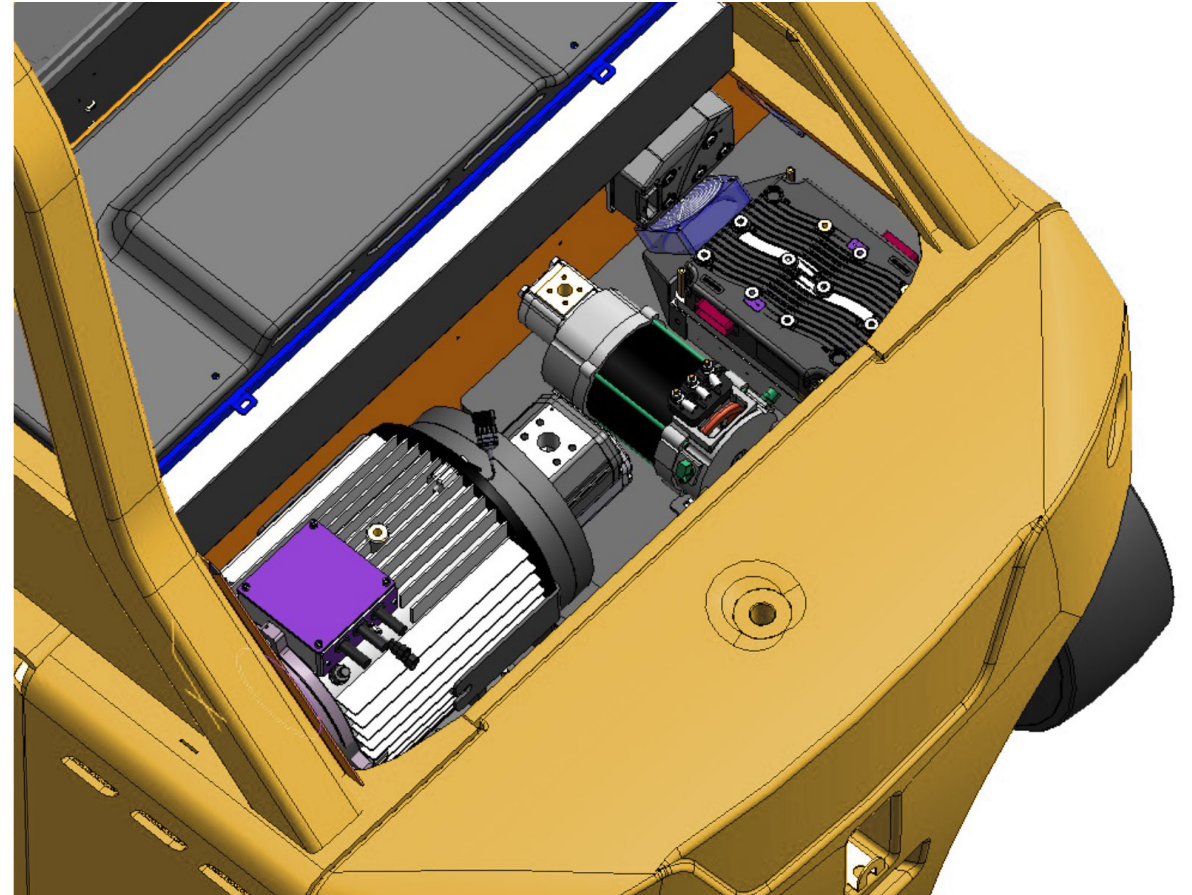
- **Charging hatch:** saves on time and labour by allowing quick connection for recharging without removing the battery.
- **96V battery:** is divided into two parts, easily accessed without tricky doors or catches, for fast lateral exchange by one person using a power pallet or other lift truck.
- **Multifunctional, interactive, colour display:** encourages correct use and maintenance of truck.
- **Simple plug-in diagnostics and troubleshooting:** reduce downtime and maintain efficient performance.
- **Easy maintenance access features:** speed up servicing of motors, controllers and other systems.



SAVE MONEY

Sealing and protection

- **Sealing of motors to IP54 standard:** protects against splashing and wind-driven water, as well as dust and dirt, for use in all weathers and on wet or muddy ground.
- **Sealing of controllers to IP65 standard:** gives even higher protection to sensitive electronics.
- **Protective enclosure of motors and controllers within truck's design:** further shields components from hostile conditions.



SAVE MONEY

Durability

- **Additional rear oil cooler:** prevents damage due to overheating and helps maintain optimum temperature for efficient functioning of systems. (NH models.)
- **Fork carriage:** offers option of eight rollers (instead of six) for extra confidence in heavy use.
- **Robust construction:** reduces repair and part replacement needs and helps maintain truck's high residual value.



BOOST PERFORMANCE

High power and control

- **Powerful twin traction motors in front axle:** generate high RPM, torque and acceleration.
- **Powerful single lift motor:** provides fast, strong and precisely controlled hydraulic movements.
- **Advanced traction and hydraulic pump controllers:** make all drive, mast and fork actions smooth and precise.
- **High-positioned mast tilt cylinders:** enhance stability, especially at greater heights, and increase residual capacity.



BOOST PERFORMANCE

Agile manoeuvring

- **High steering angles, precise electronic control and compact truck dimensions:** contribute to agile manoeuvring.
- **+100° rear steering axle:** enables the truck to turn on the spot, within its own dimensions, and to make instant side turns with no need for initial backward movement. (NH models.)
- **Intelligent curve control:** assures quick but safe cornering by smoothly adjusting truck speed according to steered angle.
- **Low overhead guard option:** is available on all models – even those with the highest load capacities – for work in containers.



OPTIMISE YOUR DRIVERS

Quiet and comfort

- **Silent hydraulic pumps together with quiet drive units, controllers and other low-noise technologies:** keep driver comfortable and stress-free, increase awareness of surrounding activity and avoid disturbing neighbours and co-workers.
- **Rubber-mounted operator compartment:** minimises vibration and noise.
- **Low seating position:** means much less climbing for drivers when frequently leaving and re-entering the cab.
- **Long grab handle and wide, anti-slip step:** aid entry and exit.
- **Spacious, uncluttered operator compartment:** offers plenty of foot room, overhead clearance and useful storage areas.
- **High-comfort seat:** is fully adjustable for driver size and weight, armrest position and other preferences.



OPTIMISE YOUR DRIVERS

Climate control

- **Separate air conditioner and heater options:** allow choice of one or other, or both, or – for very cold regions – two heating units.
- **Window heating elements:** can be optionally specified for demisting front and/or rear glass.
- **Weatherproof panel options include:** front windscreen (low or normal) with wash/wipe and roof; transparent plexiglass roof; PVC doors; or a full comfort cabin.



OPTIMISE YOUR DRIVERS

Clear vision

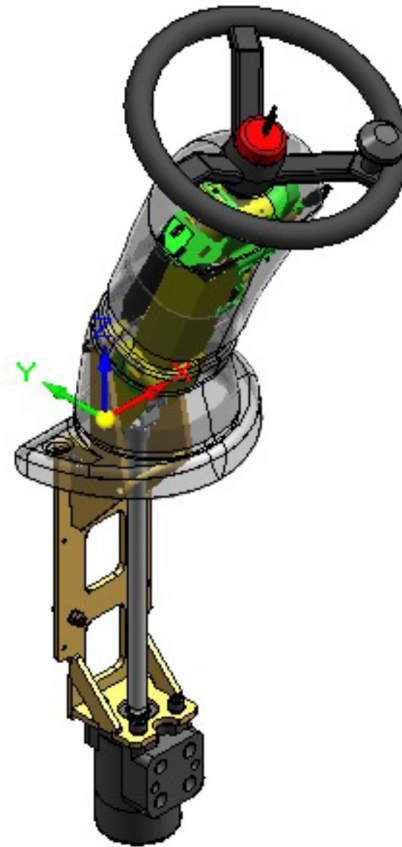
- **Easy-to-read colour display:** keeps drivers fully informed.
- **Clear-vision mast design:** includes nesting of triplex stage within duplex and division of free lift cylinders into two parts.
- **Rear-view camera (fitted as standard):** combines with special mast, dashboard and overhead guard designs to give clear all-round views with little or no need for driver to lean or change position.



OPTIMISE YOUR DRIVERS

Ergonomic steering and hydraulic controls

- **Knob on ergonomic steering wheel:** aids turning.
- **Telescopic steering column:** is adjustable for depth as well as angle, ensuring the most ergonomic and comfortable position.
- **Fingertip hydraulic controls on a comfortable, adjustable armrest:** are standard on NH models.
- **Manual hydraulic control levers:** are standard on N models but can be optionally swapped for fingertip units.



OPTIMISE YOUR DRIVERS

Ergonomic pedals

- **Pedal designs, positions and angles:** reduce fatigue for drivers of any height or foot size.
- **Separate forward and reverse pedals:** allow rapid changes of direction in busy operations and are accompanied by a large brake pedal for fast application with little effort.
- **Conventional accelerator pedal option:** can be selected if preferred, with optional direction-change lever on steering column.



OPTIMISE YOUR DRIVERS

Added safety

- **Automated parking brake:** is activated after a set period when truck stops.
- **Seat switch:** deactivates travel if driver leaves the truck.
- **Bright orange seat belt colour:** helps in encouraging and enforcing best safety practice.
- **Sensorised seat belt:** shows warning light and prevents truck operation if belt is not fastened.
- **Emergency stop button:** is easy to reach if needed.
- **Lighting options:** include road light kit, LED work lights, amber strobes and blue spots.



MODEL CHOICES

Capacities from 6.0 to 12.0 tonnes

Choose between standard (N) and high-performance (NH) models at each capacity

Extra models with greater load centre distance (900 vs 600 mm) available at 8.0 tonnes:

EP80N-900

EP80NH-900

Low overhead guard for container applications is an option on all models



TYPICAL APPLICATIONS

Timber

Paper

Recycling

And many more



OPTIONS

Key options include:

- Low overhead guard for container applications
- Battery tray
- LED work lights
- Amber strobe
- 'Blue point' rear light (standard or low mounting)
- Road light kit
- Drive direction lever
- PIN code access with start switch
- Load weight indicator
- Air conditioner
- Heater
- Fingertip hydraulic controls (standard on NH; option on N)
- Rear-view mirrors (internal and external)
- Additional camera (NB rear-view camera is fitted as standard)
- Front screen (standard or low) and roof with wiper/washer
- Heating element (front and/or rear screen)
- Plexi roof
- PVS doors
- Full cabin
- Special RAL colour
- Various fork lengths
- Load backrest
- Integrated side shifter
- Fork positioner + integrated side shifter
- Fork carriage with 8 rollers
- Various hydraulic valve configurations
- Hydraulic accumulator
- 3-way or 4-way piping
- Various tyre choices – including single or dual, super elastic, solid, cushion and non-marking



FLEET SOLUTIONS

Cat® EP60-120N(H) electric lift trucks are part of a comprehensive and award-winning range of counterbalance and warehouse products – all designed and built according to the same principles.



WAREHOUSE EQUIPMENT



ELECTRIC COUNTERBALANCE

IC ENGINE COUNTERBALANCE

The Cat[®] Range

WAREHOUSE



C25(M)(H)(I)(J)(W) NPPL12-15

HAND PALLET TRUCKS



NPP16-20N3(E) NPP12N2D NPP20N3R NPV20N3/NPF25N3(R)(S)

POWER PALLET TRUCKS



NPV20N3D/NPF20N3D(R)(S) NPR20/30N2 NPS20/30N2



NSP10N2/12/14/16N3(I)(R)(IR)(S)(SR)



NSP12N2C



NSV/NSF12-16N3(I)(R)(S)



NSR12/16/20N2(I)



NSS16/20N2(I)

STACKER TRUCKS



NOL10P



NO12-25N2(F)(X)(P)

2nd- & LOW-LEVEL ORDER PICKERS



NOM10P & NOH12PH

MED- & HIGH-LEVEL ORDER PICKERS



NR14-16N2L



NR14-25N2(S)(C)(H)(X)



NR12-14N3(L)(C)



NR16-25N3(H)(X)

REACH TRUCKS



NRM20N2/25N2

MULTI-WAY REACH TRUCKS



NRM20-25N3

FOUR-WAY REACH TRUCKS



NVT11-15/15XL/20

MAN-UP TURRET TRUCKS



NTD13-15N3

MAN-DOWN VNA TRUCKS



NTR30-50N2

TOW TRUCK

The Cat[®] Range

COUNTERBALANCE



EP14/16(C)/18(C)/20N2T



EP16(C)/18(C)/20N2



EP25/30/35A(C)N



EP40/45/50/55(C)N(H)



EP60/65/70/80/90/100/120N(H)

ELECTRIC SOLID PNEUMATIC



DP20-35N3 / GP15-35(C)N

DIESEL/LPG SOLID PNEUMATIC



DP40-55(C)N3 - GP40-55(C)N3

DIESEL/LPG PNEUMATIC



DP60-100N3

DIESEL PNEUMATIC



Whatever materials handling equipment you need, our global network of Cat lift truck 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.

LET'S DO THE WORK.™



www.catlifttruck.com

© 2023 MLE B.V. (registration no. 33274459). All rights reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar 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. Printed in The Netherlands. 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