

DP70-100NH, DP100-160(S)NL



POWER TO DELIVER

DIESEL POWERED LIFT TRUCKS
7.0 - 16.0 TONNES



STRENGTH, DURABILITY AND ERGONOMICS



When a forklift truck combines high power and extreme durability with low operating costs, you can depend on it to increase your profitability – no matter how tough the workload or harsh the conditions.

At the same time, if productivity is to be taken to its very maximum, the all-important partnership between a lift truck and its driver must be optimised through controlled performance, ergonomics and comfort.

The latest ranges of 7.0 to 10.0 tonne and 10.0 to 16.0 tonne diesel counterbalance models from Cat® Lift Trucks combine all of these qualities and more.

BUILT TO SUCCEED

Strong resistance to damage and wear, together with easy maintenance and overall dependability, reduces the expense of servicing, repairs and downtime. These savings in the total cost of operation, together with increased output resulting from the trucks' outstanding capabilities, add up to a great return on your investment.

Your Cat® lift truck dealer will identify the model and specification that matches your requirements perfectly, and will be there to give you all the support you need to maximise your materials handling success.



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KEY BENEFITS

Proven engines, providing high-powered performance, combine with high-stability structure to maximise lifting strength and residual capacity.

Dependable technology, durable construction and easy access for checks and maintenance increase economy.

Operator-friendly features, including fully hydrostatic assisted steering, clear-vision design and limitation of vibration and noise, improve control, comfort and performance.

TYPICAL APPLICATIONS

- Stevedoring
- Empty container handling
- Metal industries
- Lumber
- Concrete, stone, clay and glass
- Industrial machinery and equipment
- Distribution centres
- Brick and stone

MODELS TO CHOOSE FROM

MODEL	WHEELBASE (mm)	CAPACITY (kg)	DIESEL ENGINE
DP70NH	2250	7000	6BG1
DP80NH	2500	8000	6BG1
DP100NH	2800	10000	6BG1
DP100NL	2800	10000	BB-6BGI-T
DP115NL	2800	11500	BB-6BGI-T
DP120NL	2800	12000	BB-6BGI-T
DP135NL	3100	13500	BB-6BGI-T
DP150SNL	3100	15000	BB-6BGI-T
DP160SNL	3100	16000	BB-6BGI-T

DP70-100NH | 7.0 - 10.0 TONNES

POWERFUL AND DURABLE

Driven by one of the most powerful engines in its class, the Cat DP70-100NH range boasts both strength and speed. It is amongst the fastest and most efficient machines in the industry, with a rapid work rate which is not hampered by the massive loads it can handle. These capabilities are blended with durability, low maintenance needs and driver comfort to keep running costs down while maximising productivity.

This range's 6.5L direct-injection diesel power source delivers strong performance with quick acceleration and low fuel consumption. An automatic two-speed powershift transmission ensures that this acceleration is well-controlled as well as high-powered.

Meanwhile, the trucks' robust construction and low centre of gravity combine with their superior lifting ability to give impressive residual capacities.

DP70-100NH RANGE

MODEL	WHEELBASE (mm)	CAPACITY (kg)	DIESEL ENGINE
DP70NH	2250	7000	6BG1
DP80NH	2500	8000	6BG1
DP100NH	2800	10000	6BG1



KEY FEATURES AT A GLANCE

- Powerful 6.5L direct-injection diesel engine delivers strong performance with rapid acceleration and low fuel consumption.
- Automatic two-speed powershift transmission offers controlled yet powerful acceleration for maximum productivity.
- Fast lift speeds – amongst the highest in its class – enable your operators to achieve greater output in each shift.
- Dependable engine and strong resistance of all truck components to damage and wear help minimise repair and service bills.
- Quick and easy access to all components for routine checks and maintenance keeps truck in sound working condition, saves time and reduces expense.
- Boltless floorboards can be easily removed, without any tools, for easy maintenance.
- Extremely rigid mast with a thoughtfully designed roller layout and narrow channels combines with high-visibility overhead guard to give the operator clear forward and upward views.
- Low footsteps and well-placed grab handles make on/off access easy.
- Automotive pedal layout allows easy and intuitive operation.
- Durable LED lights and reversing alarm are fitted as standard.
- Presence Detection System (PDS) gives audible warning if seat belt is not fastened and prevents all travel and hydraulic movement if operator is not correctly seated.



DP100-160(S)NL | 10.0 - 16.0 TONNES

STRONG AND TOUGH

The Cat DP100-160(S)NL range offers tremendous traction force, load handling performance and sheer strength – and is designed to cope with rough treatment in the harshest environments and heavy-duty applications. At the same time, it provides a rewarding and comfortable driving experience.

At its heart is a high-powered engine equipped to perform productively and reliably. Its drive train has an automatic transmission system that converts power from the engine directly into torque. With three forward and three reverse speeds, it empowers the user to tackle even the heaviest of tasks effectively.

Thanks to its low-speed torque, the truck delivers powerful but controlled acceleration which – together with the effect of the fast-response turbocharger – makes driving a pleasure and helps to maximise output.

Strong lifting and high residual capacities are enhanced by the trucks' design, weight positioning, low centre of gravity and robust construction.

DP100-160(S)NL RANGE			
MODEL	WHEELBASE (mm)	CAPACITY (kg)	DIESEL ENGINE
DP100NL	2800	10000	BB-6BGI-T
DP115NL	2800	11500	BB-6BGI-T
DP120NL	2800	12000	BB-6BGI-T
DP135NL	3100	13500	BB-6BGI-T
DP150SNL	3100	15000	BB-6BGI-T
DP160SNL	3100	16000	BB-6BGI-T



KEY FEATURES AT A GLANCE

- Low-speed torque delivers controlled but powerful acceleration for maximum productivity, while fast-response turbocharger further enhances driver experience and output.
- Automatic transmission in drive train converts engine power directly into torque, with three forward and three reverse speeds, to tackle heavy-duty applications effectively.
- Robust steel frame designed using Finite Element Analysis gives durable structure with low centre of gravity, resulting in higher residual capacity.
- Design of frame and counterweight optimises weight positioning and residual capacity for strong lifting.
- Fully floating drive axle adds extra durability and capacity compared to semi- or non-floating alternatives.
- Steer axle construction as a single solid unit maximises strength and rigidity.
- Dependable engine and strong resistance of all truck components to damage and wear help minimise repair and service bills.
- Easy and quick access to all areas for routine checks and maintenance keeps truck in sound working condition, saves time and reduces expense.
- Mast with narrow channels and small-diameter lift cylinders increases forward vision and uses six load rollers with side rollers to achieve high load stability.
- Counterweight design allows small turning circle and clear view to the rear for precise manoeuvring.
- Fully hydrostatic assisted steering via small-diameter steering wheel ensures accurate and rapid response with little effort.
- Electronic direction control permits easy and smooth shifting between forward and reverse travel, without removing hands from steering wheel, at any speed up to 4.0 km/h.
- Noise and vibration limitation features include rubber-mounted key components, fully insulated steel engine hood and helical transmission gears.
- Tilt steering column, adjustable full-suspension seat and generous legroom allow each user to find the perfect driving position.
- Conveniently placed grab bars and steps ease access to operator compartment.
- Turn signal lever combined with light switch adds convenience (and returns to neutral when wheels are straightened).
- Wet multi-disc parking brake is highly durable and maintenance-free.
- Electric parking brake with one-touch switch secures truck with minimal effort.
- Presence Detection System (PDS) gives audible warning if seat belt is not fastened and prevents all travel and hydraulic movement if operator is not correctly seated.
- Optional weatherproof cabin can be fitted with further comfort options, including air conditioner, heater and defroster, to keep driver productive even in extreme conditions.





DP70-100NH AND DP100-160(S)NL

COST-SAVING CONSTRUCTION

Rugged frame

The whole structure of these trucks, starting with the durable steel frame, is designed to withstand rough treatment and to last for a long lifetime with minimal need for spending on repairs. The frame has been developed for maximum strength and stability, which has at the same time added higher residual capacity to the list of advantages. This is further enhanced by the low-profile counterweight design.

Strong axles

The drive and steer axles are also particularly strong and durable. A fully floating drive axle has been chosen, as it will bear more weight than the alternative semi-floating and non-floating types. The steer axle has been constructed as a single solid unit for extra strength and rigidity.

Durable quality and easy access

Hardwearing quality and low maintenance needs apply to all components, including the very dependable engines, drive trains and other moving parts. In addition, time and money spent on routine checks and servicing is reduced by making all key items easy to view and reach.





DP70-100NH AND DP100-160(S)NL

USER-FRIENDLY WORKSPACE

Driver-centred design

Entering and exiting the operator compartment is easy, thanks to conveniently placed grab bars and steps. The driver's workspace offers plenty of leg room, as well as a tiltable steering column and an adjustable full-suspension seat, allowing each user to find a relaxed operating position and to remain comfortable through long shifts. The Presence Detection System (PDS) ensures that operators are audibly warned to fasten the seat belt. When the operator leaves the seat, all travel and hydraulic movement is blocked by the PDS.

A clear view

The special design of the mast presents a large window of forward vision. This is achieved with the help of narrow mast channels and small-diameter lift cylinders. Despite the narrowing of the channels there is no loss of load stability, as the mast is equipped with six load rollers and side rollers. Rear vision over the low-profile counterweight is also good.

Quiet comfort

Great efforts have been made to minimise the noise and vibration experienced by drivers. In the DP70-100NH range, cushioning materials are fitted between the frame and engine for this purpose. The DP100-160(S)NL range has rubber mountings for key components, along with a fully insulated steel hood for the engine. Its transmission gear design has been specially chosen to create a quieter drive train.

Light and precise control

The ergonomic steering wheel connects with a fully hydrostatic assisted steering system which behaves responsively and precisely with the minimum of driver effort. A small turning circle and clear front and rear views contribute further to the excellent manoeuvrability of these trucks. Pedals are ergonomically designed and arranged in a familiar automotive layout for easy and intuitive operation. Using the electronic direction control, drivers can quickly and smoothly switch between forward and reverse, when travelling at anything up to 4.0 km/h, while keeping their hands on the steering wheel.

Safety aids

Braking systems on both ranges are highly effective. They include power-assisted hydraulic brakes and a dual-action parking brake with alarm on the DP70-100NH range. The DP100-160(S)NL range has a wet multi-disc parking brake, operated electrically via a one-touch switch. A reversing alarm comes as standard on DP70-100NH trucks and is optional on DP100-160(S)NL models. Standard LED lights on both ranges can be supplemented or replaced with various optional lighting arrangements. The turn signal lever on DP100-160(S)NL models is conveniently combined with a light switch.



DP70-100NH AND DP100-160(S)NL OPTIONS

Extra features are available as options to help match each truck perfectly with its application.

Examples include a variety of side shifters and fork positioners, as well as hinged forks, rotating forks and bale clamps. Optional cabins can be specified with additional comforts like air conditioning and heating. There are also various lighting combinations. Your local Cat lift truck dealer can tell you more.



TOTAL SOLUTIONS

The outstanding performance and durability of Cat lift trucks owes much to the expertise, advanced technology and strict quality standards applied by our ultra-modern production centres.

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, extensive experience and excellent service they will support you in every way to maximise your profits.

As well as diesel counterbalance trucks in a wide choice of capacities, our dealers offer a comprehensive range of warehouse equipment, LPG powered models and electric 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 package to meet the needs of your business.

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



A WEALTH OF DEALER SERVICES

Wherever you're located, however tough the work you do, you'll find a local Cat lift truck dealership and customer support service dedicated to answering your needs with integrity and dedication to customer satisfaction. Operating closely in partnership with your dealership will ensure your Cat equipment keeps running with optimum efficiency at all times – for outstanding results.

Aftersales service

Fully equipped service vans, carrying specialised tooling and carefully selected stocks of service items, are on call to ensure the best quality care for your fleet.

Manned by well-trained and dedicated service technicians, using the latest technical information and genuine parts, they ensure inspections and service operations are carried out to the highest professional standards.

Maintenance programmes

Our individually tailored programmes ensure prompt, professional service while giving our clients accurate budgeting and full control over operating expenses.

And timely maintenance, carried out by factory-trained lift truck technicians can minimise downtime and extend equipment life. Your dealer will be happy to propose a maintenance plan that's right for you.

Financing options to suit your cashflow

Your Cat lift truck dealer can offer a wide range of financing options including outright purchase, leasing and rental agreements, to spread equipment costs over its working life in the most tax-efficient way.

Fleet management

We can identify, control and reduce the cost of materials handling and re-engineer your fleet to improve utilisation.

For customers with national or multi-national operations, your Cat lift truck dealer can provide further benefits to your business, such as service contracts, training and safety programmes, fleet audits, application surveys and centralised billing, as well as cost analysis and reporting.

Parts operation

Our parts availability rate is one of the highest in the industry at 96% full-line, first-pick, and higher for current production models, from our centrally based facility located in Belgium.

Depend on us

Our whole organisation is geared to providing a seamless and efficient service to keep your operation running smoothly and profitably.



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

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