

# HIGHER PRODUCTIVITY



REACH TRUCKS 1.2 - 2.5 TONNES





## N3 RANGES

MODEL	CAPACITY (tonnes)	CHASSIS WIDTH (mm)	DISTANCE BETWEEN SUPPORT LEGS (mm)	MAX. LIFT HEIGHT (mm)	PERFORMANCE	SUITABLE FOR DRIVE-IN RACKING	MAST TYPE	FOUR-WAY STEERING	LI-ION OPTION
NR12N3L	1.2	1120	900	6750	LIGHT	✗	TRIPLEX / DTFV	✗	✗
NR14N3L	1.4	1120	900	7250	LIGHT	✗	TRIPLEX / DTFV	✗	✗
NR14N3C	1.4	1120	900	8950	LIGHT	✓	DTFV	✗	✗
NR16N3	1.6	1270	912	8950	STANDARD	✗	DTFV	✗	✓
NR16N3H	1.6	1270 / 1397	903 / 1030	10800	HIGH	✗	DTFV	✗	✓
NR20N3	2.0	1270 / 1397	903 / 1030	8950	STANDARD	✗	DTFV	✗	✓
NR20N3H	2.0	1270 / 1397	903 / 1030	11500	HIGH	✗	DTFV	✗	✓
NR20N3HX	2.0	1397	1030	12100	HIGH	✗	DTFV	✗	✗
NR25N3H	2.5	1397	1030	8950	HIGH	✗	DTFV	✗	✗
NRM20N3	2.0	1740	903	8500	STANDARD	✗	DTFV	✓	✓
NRM25N3	2.5	1740	903	9700	STANDARD	✗	DTFV	✓	✓



# MAXIMISING YOUR PROFITS

**Cat® Lift Trucks brings you a wide choice of reach trucks, engineered to make your business more profitable. Whatever your application and needs.**

We start by increasing your output. Cat® trucks offer high levels of power, performance and control – to get the job done, quickly and safely. They are also ergonomically and comfortably designed to get the best out of your driver.

At the same time, they cut your costs through their efficiency, durability and low maintenance needs. Your bottom line will show a fast return on your investment.

Your local expert Cat lift truck dealer will find you the perfect model – and back it with solid support.



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# THE N3 REACH TRUCK RANGES

## **NR16-20N3(H)(X)** standard/high-performance reach trucks

Drive profit with sustained productivity. These trucks are ergonomically and comfortably equipped for long hours in the driving seat.



## **NR12-14N3(L)(C)** light reach trucks

Save time, money and space. Our light and compact models are great at manoeuvring in small spaces. For light and medium duties at heights up to 7.25 metres.



## **NRM20-25N3** four-way reach trucks

Expand your output in every direction. These models are flexibly equipped to handle long loads in narrow aisles, as well as normal pallets.

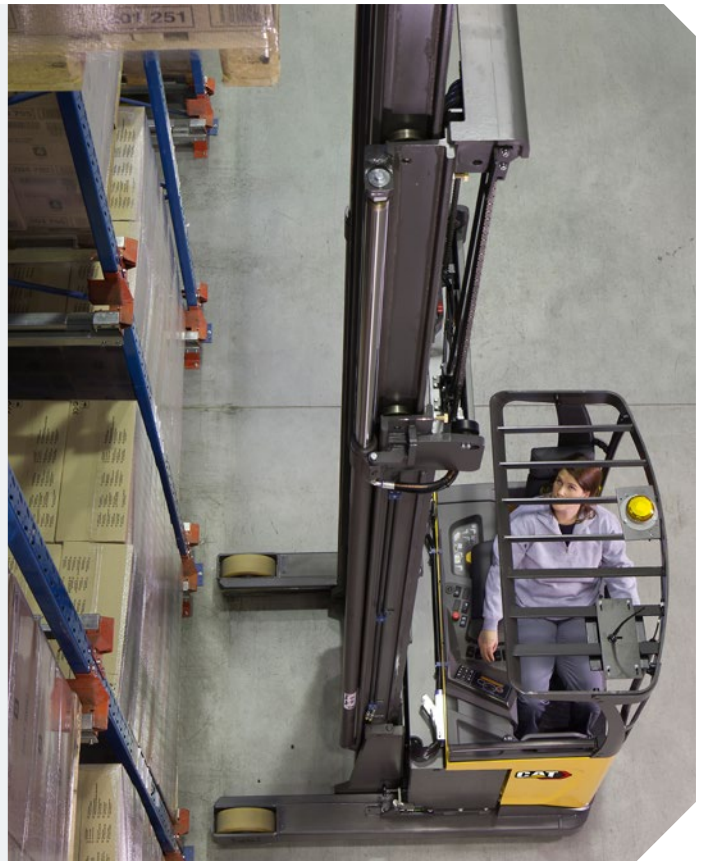


## Lifting capabilities

Mast choices enable lifts up to 12.1 metres, with clear views.

The Mast Tilt Control (MTC)\* damping system reduces oscillations by up to 80%, for faster load handling with higher stability.

Tilting masts reduce the aisle width needed and enhance safety at high lifts.



## Controlled performance

Automatic drive speed reduction makes smooth adjustments for safety when cornering or when travelling with raised loads.

Automatic hydraulic motion control\* optimises the speed of all mast movements according to lift height. Every action is smooth, quiet and precise.

Progressive steering adjusts with drive speed to optimise response and control.



*\*Standard or optional, depending on model and/or mast choice*



## Ergonomics and comfort

The driver compartment is spacious and comfortable, accommodating users of all sizes. Its features include:

- Electrically adjustable floor height\* for the perfect driver fit
- Tilting seat\* – to reduce strain when viewing loads at height – with adjustment for driver's weight
- Tapered seat backrest\* for easier turning of the driver's body toward the driving direction
- Clear forward, upward and all-round views
- *Palm Steering* on an adjustable floating armrest for relaxed operation with minimal effort and strain
- Multifunctional joystick (or optional fingertip levers) on supportive adjustable armrest for hydraulic control
- Direction control via accelerator pedal (not on four-way reach trucks)
- Intuitive, easy-to-read display

*\*Not on light (L) or compact (C) models*



# FOUR-WAY REACH TRUCKS

## **NRM20-25N3** **An extra dimension in productivity**

Cat four-way models share the ergonomically advanced features and controlled performance characteristics of the other N3 reach trucks. (See pages 4-6.) To those they add four-way flexibility.

Drivers can handle both normal pallet loads and extremely long items, thanks to a wide hydraulic fork spreader. This combines with 360-degree synchronised steering for versatile forward, backward and sideways movement with fast direction changes. The result is swift manoeuvring even in narrow aisles.

Operation is relaxed but precise, via multifunctional joystick controls and *Palm Steering*. Armrest positions and floor height are adjustable for a perfect driver fit. A tilting, weight-adjusted seat reduces the strain of viewing loads at height.

Automatic reduction of drive and hydraulic speed, when necessary, ensures rapid, smooth and safe operation. Adjustments are made according to steering angle, lift height and load weight. Stability-enhancing control of mast tilt is standard or optional depending on your choice of mast.

# A REACH TRUCK FOR EVERY SITUATION

**With so many Cat reach truck model and specification choices, you're sure to find one that's perfect for your application.**

**For a summary of the variants, see our notes below and the table on page 2.**

## **Chassis widths**

- Narrow (1120 mm) on light (L) and compact (C) models
- Wider (1270 or 1397 mm) in other models
- Widest (1740 mm) in four-way (M) models

## **Lift heights, nominal capacities and residual capacities**

Page 2 summarises maximum lift heights, which depend on model and mast choice. Our spec sheets contain detailed mast tables. Your dealer will advise you on the right nominal capacity and mast choice. This will be calculated to give the residual capacity necessary for your load weights and racking heights.



### **Compact (C) model**

Can be adapted with a narrow overhead guard for use in drive-in racking. The N3 compact can also be fitted with extra wheels for rail guidance.



### **Light (L) models**

For light and medium duties at heights up to 7.25 metres. The cost-effective option for single shift applications.



### **High-performance (H) models**

For heavier loads and/or higher lifts. Equipped with a more rigid mast and higher-powered lift motor.



### **Extra-high lifting (X) models**

As in H, and with wider chassis for extra stability.



### **Four-way (M) models**

Highly specialised multi-directional trucks, described on page 7.

## **Options**

Each model can be adapted further to its specific application through our wide selection of optional extras.

See our spec sheets for lists, which vary between ranges. Examples include:

- Level selector
- Lift height indicator
- Transparent overhead guard roof
- Fork-mounted camera with RLED display
- Load weight indicator
- 360-degree steering



### **Li-ion battery option offers:**

- Even greater efficiency and runtime
- Minimal maintenance needs
- Much longer battery lifespan
- Lower long-term total cost of operation (TCO)
- Enhanced performance
- Continuous operation without battery changes, using opportunity charging

(See page 2 for Li-ion availability.)



# ADAPTABLE TO THE HARSHTEST CONDITIONS

High visibility through a crash-proof polycarbonate roof window, which doubles as an emergency exit

Heater with automatic or manual temperature and fan control contributes to a comfortable operator environment

Outwardly curved door profile maximises interior space

Steel collision guard gives added protection - particularly to the door

Slim beam profile and optimised glass area contribute to excellent 360° visibility

Good insulation means less energy is required to keep the cabin warm

Compatible batteries:  
775 Ah  
930 Ah



When equipped with both the cabin and the necessary cold store modification (MODCS), a reach truck can operate dependably in freezing temperatures as low as  $-35^{\circ}\text{C}$ .

## Visibility

The cabin design gives operators a secure and comfortable environment in which to work, with excellent all-round visibility thanks to its optimised glass area.

## Efficient heating

The temperature-controlled heating system has an adjustable blower speed and directional nozzles. In cold conditions, it pre-heats fresh air from outside using heat from the truck's control systems that would otherwise be lost. Special care has gone into thoroughly insulating the cabin. Excellent insulation means that less energy is required to heat the interior, which helps optimise overall power consumption.

## Optional

- Heated seat



# LOWERING YOUR COSTS

**We cut your total cost of operation (TCO) by making our reach trucks robust, easy to maintain and efficient.**

Durable components and protective design minimise damage and wear. Long service intervals, easy access features and onboard diagnostics reduce time spent on maintenance.

A user-friendly display encourages correct use and servicing of the trucks. PIN code identification can be used to block unauthorised users. Performance parameters are personally programmable to set safe limits for each identified driver.

This all adds up to less downtime and less spending on service and repair labour.

Our energy-efficient motor, pump and control technology is another money saver. For even greater efficiency, runtime and battery lifespan, you can opt for lithium-ion (Li-ion\*) batteries. As well as enhancing performance and minimising maintenance needs, they enable fast opportunity charging. This allows continuous operation without battery changes.

High levels of component sharing within the Cat product portfolio bring further advantages. Fixes are faster – with even less downtime. Less stock investment is needed. And fewer service van and parts delivery journeys mean a smaller carbon footprint. Everyone wins!

For more information on maintenance programmes and other dealer services, see the following page.

*\*See page 2 for Li-ion availability.*



# A WEALTH OF DEALER SERVICES



Wherever you are, and however hard your challenges, your local Cat lift truck dealership is there to help. Our dealers' customer support and service teams are dedicated to answering every need. They will work closely in partnership with you and your business to ensure:

- You have the right trucks and equipment for the job
- Your trucks keep on running – at optimum efficiency
- Your operation achieves maximum results

## **Aftersales service**

Our fully equipped service vans will respond quickly to your calls. They carry specialised tools and stocks of genuine parts. Their drivers are well-trained service technicians with the latest technical information and knowledge. You can be sure of highly professional inspection, servicing and repair work.

## **Maintenance programmes**

Carefully scheduled servicing by our factory-trained technicians will minimise downtime and extend truck life. Our individually tailored programmes also help you with accurate budgeting and control over operating costs. We can work out a maintenance plan that's right for you.

## **Financing options**

We offer a wide range of finance plans to suit your cashflow and other circumstances. They include outright purchase, leasing and rental agreements. We can spread the cost of your trucks over their working life in the most tax-efficient way.

## **Fleet management**

We can monitor, control and reduce your materials handling costs. We can then re-engineer your fleet to meet your needs more cost-effectively. Our optional benefits for national or multinational operations include: service contracts; training and safety programmes; fleet audits; application surveys; centralised billing; cost analysis and reporting.

## **Parts supply**

Parts availability is crucial to maintaining productivity. Our 'full line, first pick' rate is the best in the industry. It currently stands at 97%. For current models it's even higher.

## **Dependable support**

You can depend on our dealerships. They, in turn, can depend on the support, expertise and resources of our global organisation. Together we'll do whatever it takes to make your business stronger.





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.™**



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VIDEOS**



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OUR APP**

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