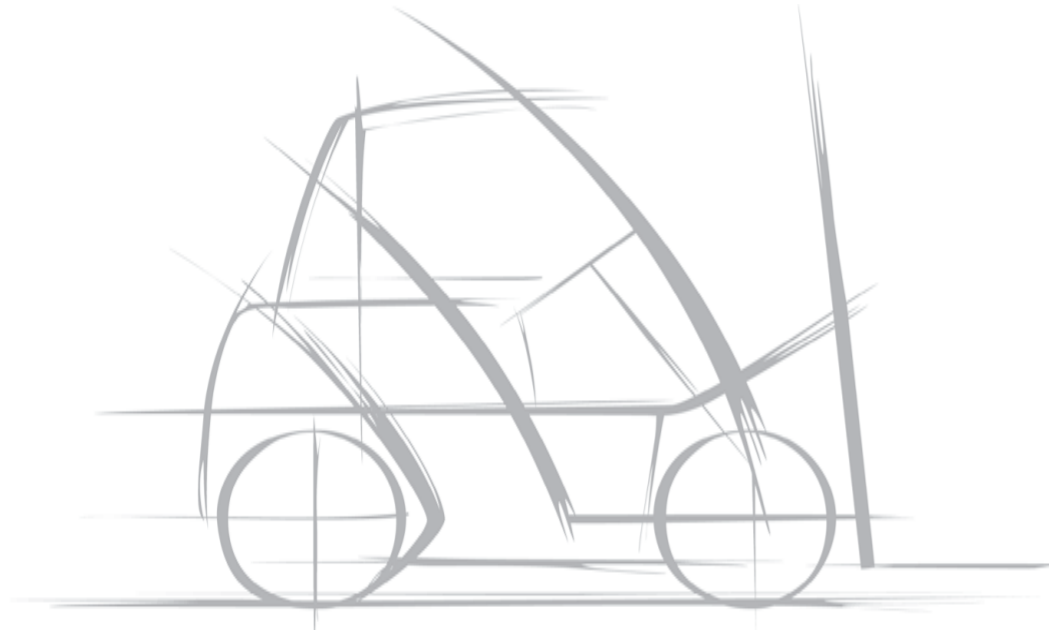


MAIN SPECIFICATIONS

Model		TX4-16	TX4-18	TX4-20
Load capacity	kg	1600	1800	2000
Load centre	mm	500	500	500
Wheelbase	mm	1450	1450	1450
Overall width	mm	1090	1120	1120
Turning radius	mm	1910	1910	1930
Overhead guard height	mm	2110	2110	2110

Model		TX4-16	TX4-18	TX4-20
Battery capacity – std	V/Ah	48/575	48/750	48/750
Electric motor – driving	kWxunit	5.0x2	5.0x2	5.0x2
Electric motor – lifting	kW	11	11	11



NISSAN FORKLIFT EUROPE B.V.

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**NISSAN**  
FORKLIFT



**NISSAN**  
FORKLIFT

**TX4**

Series

1.6 – 2.0 Tonne





# Lifting you hig her

# TX4

Since it began production of forklifts more than half a century ago, Nissan has developed and produced comprehensive ranges of high performing and innovative materials handling equipment for markets throughout the world. Today, as part of the Renault-Nissan automotive alliance, the company benefits from advantages that keep it at the forefront of forklift design - from leading engine and electric technology, to operator safety, comfort and productivity. In turn, Nissan Forklift users also benefit from numerous other concepts which have made Nissan a true global brand - not least, quality, value and customer support.

### Strategically located production facilities

Nissan Forklift's production facilities are strategically located in Europe, Japan and the USA, providing the greatest flexibility in responding to the demands of different markets. The European production facility for forklifts is situated in Pamplona, Spain, with high quality output confirmed through ISO 9001: 2000 certification ISO 14001, and 1996 certification for Environmental Management Systems. Production of Nissan's warehouse range is in Gothenburg, Sweden, where the facility also has ISO 9001: 2000 and 14001: 1996 certification.

### Future vision

Nissan Forklift product designs are the result of extensive research – basic performance, durability, safety, operational ease, environmental information and the valuable feedback from a wide customer base. This painstaking attention to detail leads to materials handling equipment of the highest technical standard and quality possible.

### Engine technology

For example, has been developed with both economical performance and concern for the environment as major considerations. All Nissan Forklift LPG engines are equipped as standard with Nissan's unique closed loop three-way catalyst to reduce emissions by up to 98% and an engine management system to provide maximum fuel economy. Nissan diesel engines are also ultra-clean and ultra fuel efficient.

### Full range concept

As one the world's leading manufacturers, Nissan Forklift offers a full range for the vast majority of industry's materials handling requirements. This includes LPG and diesel forklifts from 1.5 – 7.0 tonnes capacity and three and four-wheel electric models from 1.25 to 3.0 tonnes. They are complemented by an extensive warehouse product range of:

- Reach trucks
- Order pickers
- Pallet transporters
- Pallet stackers

It's a range that enables you to tailor the optimum solution totally to the needs of your logistics operation.

### Worldwide network

Nissan Forklift products are supplied through a network of more than 800 dedicated outlets covering 75 countries worldwide. A competent, experienced salesforce is available to recommend the ideal balance of equipment and the best way to acquire it - from direct sales to short-term hire or long-term rental.

### Support 24/7

Nissan Forklift understands that customers need their materials handling equipment to keep on running, especially in high-demand operations. Our expert-trained and well motivated service network is rapidly available to provide assistance 24 hours a day, seven days a week. Nissan Forklift will also advise and support fleet customers in creating maintenance schedules, effective repair procedures and emergency parts stock to maximize productivity. Specialist training can also be provided for customer service engineers and forklift operators.

Nissan Forklift trucks' operational reliability is also enhanced by the ready availability and efficient supply of parts. Extensive stock within the local network is supported with further availability at pan-European level, with centres in the Netherlands, Spain and UK shipping overnight for delivery to the Nissan Forklift dealer network or direct to the customer's premises.



# TX4

## Spacious workplace

The TX4 Series has been designed to provide a wide step with ample legroom for easy access to a spacious cabin and optimal seating comfort.



## Adjustable steering

As each individual driver has a different physique, the tilting steering column can be easily adjusted to the most comfortable ergonomic working position.



## Car-style levers

The automotive influence as seen in the TX4 Series extends to the thoughtful use of automobile-style levers, with simple actions that let the operator focus on the job.



An excellent operator's environment has always been paramount in Nissan's design philosophy. The Nissan TX4 Series has been designed around the operator and his daily workplace. The spacious operator platform and its clearly positioned controls and display makes this series a pleasure to work with, not a chore.

Driving fun is assured by the silence in the operator's compartment. The low noise levels provide a stress free environment wherein the driver can fully concentrate on the job throughout a long working day.

The hydraulic powered steering makes the TX4 Series highly responsive and nearly effortless to operate. Even more driving ease is provided by the automatic deceleration which takes place when the opposite travel direction is engaged or the foot is lifted from the accelerator pedal.

## Standard High Overhead Guard

The TX4 Series has one of the market's highest available overhead guards (2.11 m) as standard, providing generous headroom for the operator, even when a helmet is required. For loading and unloading activities in tighter areas, an optional low overhead guard (1.98 m) is also available.



# TX4

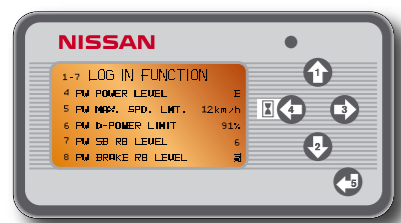
## PIN-code Access

The standard 4-digit PIN access system avoids unauthorised truck usage. The PIN system can also be combined with pre-set performance profiles in line with operator skills or company's safety regulations.



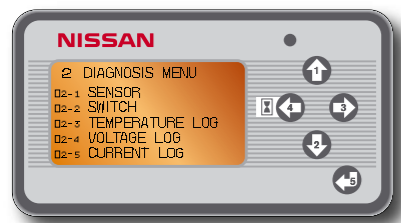
## Personal Settings

Besides individual adjustment of various performance settings, it is also possible to pre-set up to 5 complete performance profiles to tailor the truck to meet the needs of individual operators and/or applications.



## Diagnostics Menu

The on-board Built-In-Test-Equipment is a diagnostics system which has integrated self check and dialogue-type functions. This allows for easy troubleshooting and less time in the maintenance shop.



At the heart of the TX4 Series' is Nissan's state-of-the-art AC TECH controller which combines low energy consumption, through amongst others, regenerative braking and on demand power steering, with high truck performance to make the TX4 Series go on working while other trucks are back in the charging bay.

The multi-function LCD display provides a wealth of information at a glance for quick operation status and maintenance activities.

Three preset performance settings can be easily selected to adapt the truck to optimal productivity demands. Five function keys can be used to adjust the truck's performance more precisely to ensure the safest operating parameters are chosen according to operator experience and the load or handling conditions.

Hydraulic powered steering consumes energy only at demand. Dependent on the steering input AC TECH continuously determines exactly the required amount of energy. This reduces battery consumption and enhances truck productivity.

The AC TECH controller includes a Built-In-Test-Equipment (BITE) module. Through the meter panel, the service engineer can perform diagnostics and troubleshooting automatically. Additionally, malfunctions are stored in the controller's memory. This permits the rapid location of any problem, resulting in increasing the TX4 Series' potential for up-time.

# TX4

## Hands-on Safety

Safety is improved through the optional FINGERTIP Control on the armrest. The operator can concentrate fully on the truck's movements, with the left hand remaining on the steering wheel at all times and the right hand controlling all hydraulic functions, travel direction and horn.



## Mast Lock System

Standard on all models, the system automatically locks all lifting and tilting functions when the operator exits the truck. An audible will sound and visual warning will be shown on the display.



Safety is vital to any forklift operation and it forms the very basis of the Nissan TX4 Series' design process. The standard RRS (Risk Reduction System) makes a major contribution to the operator's safety:

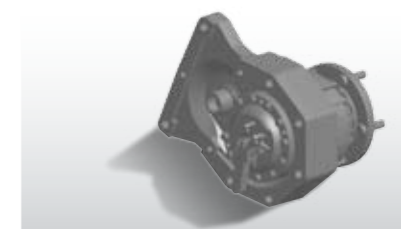
- Excellent all round visibility
- Mast Lock System
- Turn Control
- Lift Control
- Rollback Control
- Inhibitor Control
- Parking brake with lock release button

Automatic travel speed and acceleration reduction during turning is provided by Turn Control while during fast truck travel Lift Control limits lift speed. If the accelerator is released while on a gradient, a Rollback Control device ensures that the truck can reverse only slowly at a constant speed. The parking brake features a lock to prevent accidental release.

Unintentional truck/mast movement is avoided when the operator turns on the key-switch while at the same time a mast/truck movement is activated.

## 6-disk Wet Type Brakes

The fully enclosed six-disk wet type brakes require minimum maintenance. They deliver excellent brake performance while their full enclosure make them resistant to dirt and moisture ingress.



# TX4

## OPTIVIEW mast

The optional OPTIVIEW (3V) mast has full free lift. With its two full free lift cylinders to the side, there is nothing in the centre to obstruct the operator's visibility.



## Battery Roll Out

This optional system, incorporated in the original TX4 concept, allows you to change batteries safely and quickly.



## Long Intervals

More uptime is gained through maintenance intervals which have been extended to 1200 hours, and with reduced service due to the six-disk wet type brakes and AC TECH controller.



The Nissan TX4 Series is designed to deliver high productivity at very low cost of ownership. Effortless, natural operation is crucial in protecting the driver's health and maximising his productivity potential. So, with standard hydraulic levers conveniently located right next to the seat, passenger car type pedal lay out and smooth Fuzzy Logic Acceleration Control, all the operator has to do is to focus on the job at hand.

The optional FINGERTIP control on the arm-rest improves natural operation and productivity even further. The energy efficient, NISSAN AC TECH controller provides optimum truck performance. Three regenerative braking systems, on demand power steering and Auto Power Off are features which increase the number of working hours per battery charge even more. With 1200-hour maintenance intervals, the maintenance free wet type brakes, brushless AC motors and its AC TECH incorporated, on board diagnosis the truck's potential for up-time is increased.

Nissan's new powerful TX4 Series – creating a LIFT in the efficiency of your daily materials handling operation.

## CLEAR-VISION Cabin

The cabin offers excellent all-round visibility and its curved front windscreen avoids screen reflections. With the cabin installed, access to the battery compartment remains very easy.

