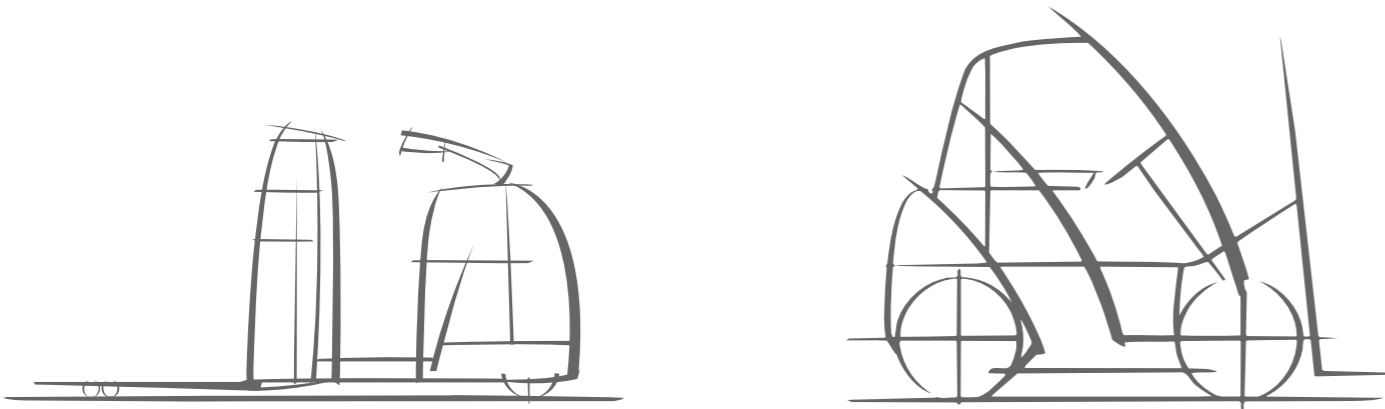


PLL, PLP, ALL & XLL

NISSAN
FORKLIFT

PALLET TRANSPORTERS



NISSAN FORKLIFT EUROPE B.V.

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NISSAN
FORKLIFT



Lifting you hig her

PALLET TRANSPORTERS

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.



Compact short distance traveler

Compact design

At just 600 mm wide, with its extreme manoeuvrability, the compact shape and design of the Nissan PLL makes it the ideal choice for use where space is tight - stores, in the loading bay and on transport. An option allowing the truck to operate slowly with its tiller in the upright position increases its space-saving versatility.



Ergonomical design

The ergonomically-designed tiller arm is suitable for right and left handed operation, with fingertip control of all truck functions. The water-resistant illuminated LCD display shows information on battery status, hours run, clock, operational data and warning messages.



Four-point chassis

A unique four-point chassis design creates a "flexible" connection between the PLL's motor drive unit and its load chassis, giving maximum traction when the truck is operating at different levels, such as between ramp and transport or on uneven surfaces.



PLL

Pedestrian pallet transporter for short distance travel, ideal for loading and unloading transport, small warehouse and production floor work, feeding, storage and occasional order picking. Excellent manoeuvrability to work in tight spaces. Three models - 1450, 1800 and 2000 kg lift capacity, with batteries from 160 to 230 Ah. A "bounceback" safety cut-out function prevents the operator from accidentally reversing the truck into himself, while PIN code access ensures further security for the truck and workplace, operating parameters can be programmed to each access code according to load conditions or driver experience.

AC TECH power guarantees instant response to the operator's slightest command, with Nissan's NTC computer onboard for precise truck control and diagnostics.

Options include a built-in battery charger, tiller-up drive for confined spaces, codeless key switch operation, salt and rust protection and cold store design and protection to -35°C are also available.

Safe walking

The PLL's tiller arm is purposely offset, providing the operator with better safety and fork visibility and greater comfort.



Folding platform

The PLP's folding platform gives the operator the option to stand on or walk with the truck according to the application. With five wheels in constant contact with the ground, the PLP offers maximum load stability.



Variable speeds

With the platform (and optional side-bars) folded, speeds are reduced for pedestrian operation, while manoeuvrability is increased. In stand-on mode, the platform is sprung-loaded for operator comfort and truck speed is increased for longer distance travel.



Built-in battery rollers

Large battery capacity gives extra power to the PLP's working shift, with battery rollers built in for a fast, safe changeover.



PLP

Stand-on, low-lift pallet transporter for medium to long distance travel, loading and unloading transport using dock levellers and occasional low level order picking. Robust chassis construction for medium to high intensity operations.

Two models - 2000 kg and 2500 kg lift capacity, with batteries from 200 to 400 Ah for the 2000 kg version and 300 to 600 Ah for the 2500 kg model. Power assisted tiller arm standard on 2500 kg model.

AC technology provides total control, with Nissan's NTC truck computer for diagnostics and a host of features to increase safety and productivity.

PIN code protection restricts truck access to authorised operators, with operating parameters programmable for up to 100 drivers. Session log records the 30 most recent start ups with date and time to trace truck users.

Options include various battery capacities, operator protected platform and load guards for increased security, battery changeover trolley and cold store protection to -35°C.

Friction force

Designed specially for block stacking but perfect for standard stacking and pallet handling operations, the USS is like two trucks in one.



Low lifting for longer distances

Stand-on safety

The ALL's stand-on configuration provides a safe and comfortable working environment for the operator, with protection for the whole body and feet in the event of collision. With the operator inside the truck, less operational space is required and the standing position adds to excellent all-round visibility for driving and pallet picking.



Driver comfort

The cockpit design provides the highest levels of comfort for the operator, achieving an "ideal" driving position whatever the direction of travel. Steering wheel and armrest are all height adjustable and controls are easily accessible.



Long forks

Take advantage of the long-fork option to transport two pallet loads at a time, still at an impressive travel speed. It makes the ALL an economical and space-saving alternative to many other materials handling methods.



Probably the best developed stand-on pallet transporter available, the ALL is ideal for medium to long distance travel and for medium to high intensity work patterns. Two chassis types, with lift capacity of 2000 kg and battery options from 240 to 750 Ah to suit different operational requirements.

At just 940 mm wide, the ALL is extremely manoeuvrable, with four-wheel configuration and constant ground contact for maximum stability. Double bogie load wheels on the forks allow easy pallet entry.

AC technology guarantees instant response to the operator's slightest command, supported by electric power steering for pinpoint accuracy.

Options include numerous wheel and tyre types for different applications; fork lengths from 1000 mm to 2375 mm and widths from 480 mm to 730 mm, and battery changeover trolley. An overhead guard with additional features is available for increased operator safety, with further designs for cold store protection to -35°C.

Easy maintenance

Easy accessibility makes daily maintenance checks quick and simple, while proven parts are rapidly available and service is fast for minimum downtime.

EASY ACCESS



Optimum safety

With its seated position, the XLL provides greater safety, comfort and protection and less operator fatigue throughout a long working day. It all adds up to increased productivity. The cab is easily accessible, with low instep, adjustable seat, floor and armrest for the optimum driving position and visibility.



Top speed

Produced specifically for long and very long distance travel within the warehouse or factory, the XLL's top speed is considerably higher than its pedestrian and stand-on stablemates.

No load

XLL **10 km/h**

ALL **8 km/h**

PLL **6 km/h**

Optional overhead guard

The protection of an optional overhead guard is a particular benefit if the XLL is to be used in areas where hazards may be present at height, especially such as items stored in racking.



XLL

A sit-on pallet transporter offering maximum operator comfort and fast handling for intensive work cycles and long travel distances. Side-on seating provides a safe, protected working environment with excellent visibility. A mini steering wheel adds to operator comfort, while PIN-code access restricts truck use to authorised personnel. Operating parameters such as speed can be tailored according to requirements such as driver experience, surface conditions or load type. Lift capacity to 2000 kg in two chassis types with batteries from 240 to 750 Ah according to operational requirement.

AC power guarantees instant response to the operator's slightest command, and offers powerful acceleration, silent operation and little variation in top travel speed with or without load. Regenerative braking extends cycle times by putting power back into the battery, with the benefits of other AC technology including electronic power steering, no brush wear and less wear on the travel brake. Nissan's NTC computer assists precise truck control and provides on-board diagnostics.

Options include various wheel and tyre types for different applications; fork lengths from 1000 mm to 2375 mm and widths from 480 mm to 730 mm, and battery changeover trolley. An overhead guard with additional features is available for increased operator safety, with further designs for cold store protection to -35°C.