



NISSAN
FORKLIFT

DX

Series

1.5 - 3.2 Tonne



Seeking symbiosis of people, vehicles

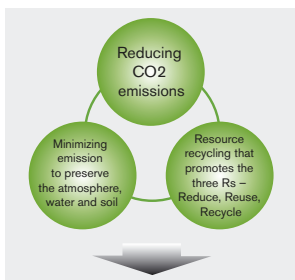


Nissan's environmental philosophy is encapsulated in the phrase "symbiosis of people, vehicles and nature". This expresses our ideal picture of a sustainable mobile society.

For the future of our planet and generations to come, we are doing everything we can to help our natural environment, by reducing the environmental load in real-world terms and providing customers with innovative products that contribute to the development of a sustainable mobile society.

Nissan's ultimate environmental goal is to manage the environmental impact generated by our corporate activities, customer use of Nissan vehicles, and the company's use of resources to a level that is within nature's capacity to absorb.

We have established specific targets to achieve this goal on three key issues, and are intensifying our efforts to achieve them. Nissan regards the following three issues as paramount: reducing carbon dioxide (CO₂) emissions; cleaner emissions to preserve the atmosphere, water and soil; and recycling of resources. Among these three, Nissan is treating the issue of reduction in CO₂ emissions as a high priority. Nissan's targets for this and other key issues, as well as measures to achieve them by 2010, are spelled out in the Nissan Green Program 2010, our medium-term environmental action plan.



We are moving steadily forward to achieve the Program's goals.

To ease the environmental burden and reduce resource utilisation by Nissan's cars, forklift and business activities



DX

Eco-friendly engine design

Making use of advanced engine technologies developed for passenger cars, Nissan Forklift products meet emission standards that surpass the strictest regulations laid down in Europe, the USA and Japan. They also offer productivity-boosting performance balanced with impressive fuel economy.



ISO14001 certified production facilities

Nissan Forklift's production facilities are strategically located in Europe, the USA and Japan. Each factory has the environmental ISO 14001 certificate, targeted at reduction of water and energy consumption, visual and noise disturbances and the avoidance of releasing pollutants into the air and water.



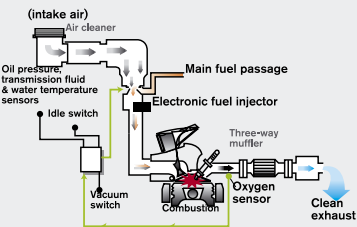
Maximum re-cycling

Every Nissan Forklift truck is carefully designed so that up to 98% of the vehicle can be recycled. Re-use of materials contributes to the effective use of our planet's limited, precious natural resources.



Industry leading engine technology

Extreme low exhaust emissions are achieved by the electronic LPG fuel injection system. It relies on engine sensors and the Engine Control Module (ECM). Accurate delivery of the best air/fuel ratio provides optimum combustion, resulting in better fuel efficiency and exceptionally low emissions.



Standard 3-way catalyst

LPG System

CO exhaust emission	
no catalyst	100%
2-way catalyst	25%
3-way catalyst - no closed loop	25%
3-way catalyst + closed loop	19%
3-way catalyst + closed loop and ECCS	2%
Previous H-Series engines	
New K-Series ECCS engines	
HC + NOx exhaust emission	
no catalyst	100%
2-way catalyst	63%
3-way catalyst - no closed loop	65%
3-way catalyst + closed loop	3%
3-way catalyst + closed loop and ECCS	1%
Previous H-Series engines	
New K-Series ECCS engines	



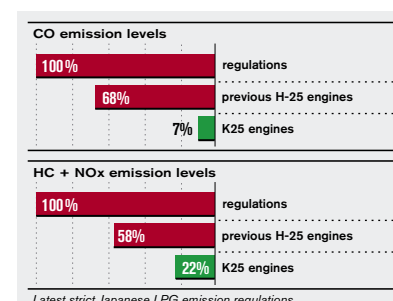


Care for our environment is rightly at the top of everybody's agenda. For Nissan, as the world's leading manufacturer of LPG engines used in numerous forklift truck brands, no-one appreciates this more. Nissan's contribution to protecting and sustaining the environment is evidenced by its new, ultra-clean electronically controlled K21 and K25 LPG engines with standard 3-way catalyst, delivering exceptionally low emissions levels that are well below the most stringent environmental requirements.

Nissan's new QD32 diesel engine also fully complies with the latest European Stage 3A emission requirements. An optional DPF system is available to reduce diesel exhaust particles even further.

Ultra low emission levels

Based on our extensive automotive experience, emissions from Nissan's LPG engine are massively reduced. The resulting ultra low NOx, HC and CO emission levels contribute to a cleaner and safer environment. It complies within the emission limits for 5 year operation.



Floating cabin

Nissan's unique 4-point patented shock absorption system efficiently dampens the cab from engine and road vibrations, creating a comfortable working environment for the operator and reducing noise levels.



ECO Noise

The already low noise levels are even more reduced by selecting the ECO mode on the LPG models

Standard 2.5 tonne LPG

79 dB(A)

ECO mode

77 dB(A) ← -2 dB(A)

EN 12053, operator's ear

Adjustable steering

Because no two operators are identical, the steering wheel has ample adjustments fore-and-aft (with memory function) and for height.



DX

Keeping the operator comfortable, relaxed, alert and safe is the primary objective. The entire operator platform is designed using the latest ergonomics. There is easy access, a comfortable, multi-adjustable suspension seat with hip supports and seat belt, and generous legroom. The series offers optional FINGERTIP control levers. In combination with the electric forward/reverse lever (both located on the arm rest), they make material handling operations easy, fast and comfortable. The Nissan-designed CLEAR-VISION cabin is factory installed option for even greater comfort and protection. The wide, glass doors and panoramic front wind-screen offer unparalleled all-round visibility, all translating into an excellent working environment for every operator.

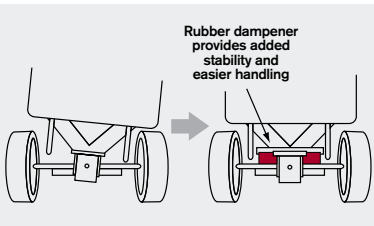
High comfort seat

An optional high-comfort seat is available to further enhance the operators' working environment and minimise physical fatigue during the most demanding shift.



Stability while turning

The standard Nissan-exclusive maintenance free Cushion Stability Control system (CSC), improves lateral stability and provides confident driving while making turns.



(CSC cannot completely eliminate the possibility of tipping over)

Mast Lock System

Standard on all models, the system automatically locks all lifting and tilting functions when the operator leaves the seat to prevent accidental operation. It is accompanied by an audible alarm and visual warning on the dashboard.



DX



The DX Series incorporates Nissan's Risk Reduction System, a full range of safety features to help make your daily operations safer:

- Cushioned Stability Control
- Return-to-Neutral Transmission
- Mast Lock System
- Parking Brake Warning
- Seat Belt Warning

The seat actuated Return-to-Neutral system is engaged when the operator leaves the seat while the transmission is in gear. It disengages the forward and reverse transmission solenoids within three seconds to prevent further forklift movement.

A low, wide step and grab handle provide easy and safe access to the operator platform, while the low centre of gravity ensures excellent stability during load handling. In short, the DX Series offers total safety for your operations.

Hands-on safety

With both FINGERTIP and the mechanical forward/reverse levers conveniently located at the right-hand side, the operator can keep his left hand safely on the steering wheel at all times.





Single lever control

With one lever, lifting and tilting functions can be conducted at the same time. This system is available for both mechanical and FINGERTIP levers.



Excellent handling

The DX Series provide excellent handling performance. The maximum lift speed is 700 mm/sec. The truck can be operated slowly with excellent controllability, or at speed - up to 19 km/hrs - for long distance travel.



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.





DX

Every model in the DX Series is designed and built to be a productive workhorse. Rapid travel and lift speeds, or slow with excellent controllability. Whatever is required.

No matter what you have to handle, powerful Nissan engines, high capacity hydraulic pumps and excellent stability make this series one of the fastest and most productive in its class.

The FINGERTIP levers for right-hand operation mean you can work faster, saving up to 10% of your valuable time, without jeopardising control of the load. A wide choice of different mast types (ranging from the standard 2-stage wide view to the unique 3-stage OPTI-VIEW type), various tyre and side shift versions can complement the DX Series for maximum performance.

Tilt Levelling (option)

Productivity can be improved at the simple touch of a button on the FINGERTIP control. It brings the forks completely horizontal, enabling the operator to position the forks to the load quick and easy.



Diagnostics Menu

The on-board Built-In-Test-Equipment (BITE) has integrated self-check and dialogue-type functions and allows for easy troubleshooting and less time. In the event of a malfunction, a warning will appear on the LCD display.



Service reminder

When activated, a reminder indication is shown in the LCD at startup whenever a specified operating hour or day and date has been reached, reminding of the need for regular service.



PIN-code access

The standard 4-digit PIN access system avoids unauthorised truck usage. Up to five PIN-codes can be registered. It allows readout of operating hours for each code or operator.



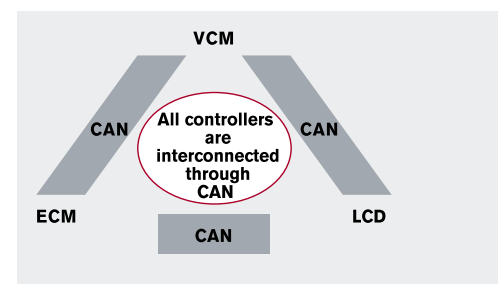


DX

With more than 50 years' experience of forklift design, Nissan Forklift has always built its products to the highest quality standards and with the objective of the lowest possible maintenance costs. Today, that philosophy is no better demonstrated than with the DX. From its unique lifting system for excellent access to the engine compartment, through to its electronically managed control systems, maintenance requirements can be defined and addressed with the minimum of downtime and expense.

Engine Concentrated Control System (ECCS)

Engine and vehicle functions are monitored and controlled continually through integrated systems that offer rapid troubleshooting together with the best truck performance at all times and under all conditions.





Power / ECO and Ground Speed Control

The Standard Power/ECO switch (LPG) provides even greater fuel savings and lower noise levels. The optional Ground Speed Control switch permits selection of maximum speed based on operator skill level or operational requirements.



Power mode

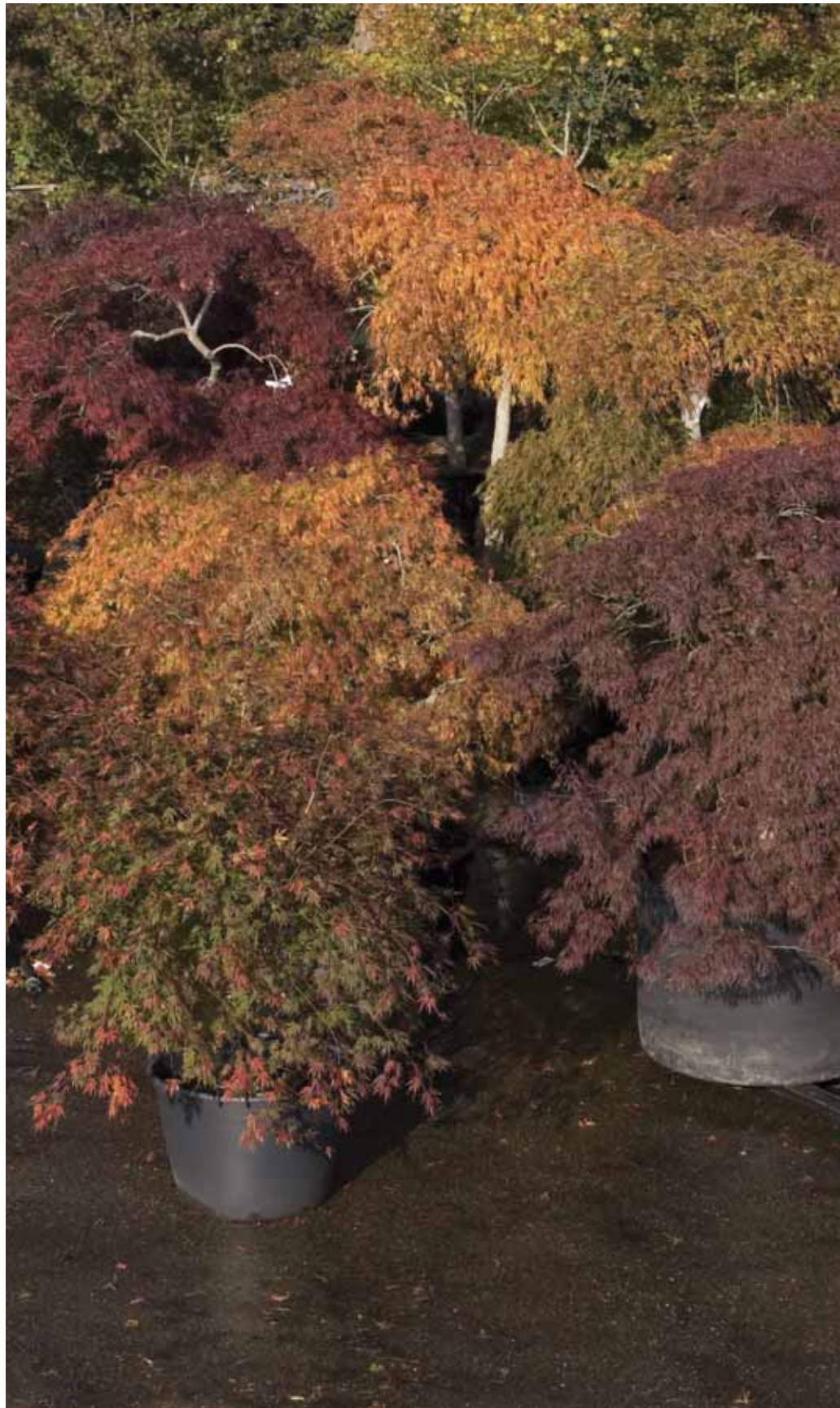


ECO mode



Customer value design

Nissan's commitment to creating value for its customers is well known in the industry and the DX Series offers plenty reasons why. Consider the ECCS model engine/transmission protection and warning system, designed for securing long engine life. Together with the long service intervals, the up-time potential is increased.



DX

Whatever the task, you can base your operations on a DX Series forklift with complete confidence. Its Nissan engine is designed for use in the toughest conditions, with a worldwide reputation for reliability, durability, optimum fuel consumption and low emission levels. Its quiet working environment and extensive safety package make the DX Series an ideal choice. Like all Nissan forklift trucks, it gives you many more advantages. There are fewer breakdowns, the full lifecycle maintenance costs are lower and the residual values are higher. Any way you look at it, Nissan forklifts are the right tools for the job.

LPG Swing-down (option)

This ergonomical design uses a gas spring assist for effortless swing-down motion to minimise back strain during tank replacement. It is easier and quicker.

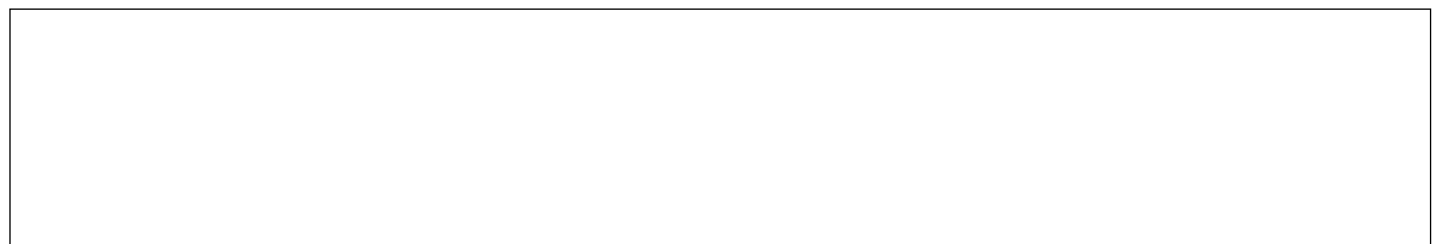


(Not available on DX-15)



MAIN SPECIFICATIONS

Model (LPG/Diesel powered)		DX-15	DX-18	DX-20	DX-25	DX-30	DX-32
Load capacity	kg	1,500	1,750	2,000	2,500	3,000	3,200
Load centre	mm	500	500	500	500	500	500
Overall width	mm	1,080	1,080	1,157	1,157	1,230	1,230
Turning radius	mm	1,970	2,000	2,190	2,250	2,390	2,390
Overhead guard height	mm	2,115	2,115	2,130	2,130	2,155	2,155
Length to fork face	mm	2,260	2,300	2,530	2,605	2,770	2,770



NISSAN FORKLIFT EUROPE B.V.

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