

**NISSAN**  
FORKLIFT

# Platinum II Series

**Pneumatic Tire** / Engine Powered Models / LPG, Gasoline, Dual Fuel, Diesel

**3,000 – 7,000 lb.**  
Capacities



# Available Equipment

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## Standard Equipment

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- Nissan's own K21 and K25 industrial engines with computer controlled, Electronic Concentrated Control System (ECCS)<sup>1</sup>, electronic fuel injection technology, with single-port fuel injection (LP) / multi-port injection (Gas), providing low emission levels, well below EPA Tier II and CARB requirements
- Nissan's own low emission, EPA Diesel Tier III compliant, QD32 industrial diesel engine with an electronic controlled Quick Glow System for dependable starting
- Engine/transmission protection and warning system to safeguard your investment<sup>1</sup>
- Operator Presence System includes seat-actuated power interrupt, auto-mast lock, return-to-neutral, audio and visual warnings
- Full suspension seat with operator restraint system
- Seat belt warning system, horn, and back-up alarm
- Tilt-adjustable steering wheel with memory
- Multi-function LCD display with operator PIN security access
- Hour meter, clock, and calendar
- On-board diagnostics and programmable service reminder
- Speedometer and F/N/R transmission indicator
- Engine coolant temperature gauge and low fuel warning light (LP) / fuel gauge (Gas/Diesel)
- Cushioned stability control
- Automatic transmission with drive-by-wire throttle control
- Hydrostatic power steering
- Single lift/tilt hydraulic control lever
- High air intake system combined with cyclone air filter
- Swing-out LP bracket (LP models only)<sup>2</sup>
- Overhead guard mounted headlights
- 5-piece reinforced overhead guard
- One-piece, no-tool floorboard

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## Optional Equipment

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- Ground speed control (high/low speed settings) and controlled acceleration mode<sup>1</sup>
- Dual fuel engine for LP and Gasoline
- UL safety ratings available for LP fuel types<sup>2</sup>
- Swing-down LP bracket<sup>2</sup>
- Separate lift & tilt hydraulic control levers
- Fingertip controls<sup>2</sup>
- Steering wheel with spinner knob
- Swivel seat with rear OHG mounted assist grip with horn button<sup>2</sup>
- Recycler Special package
- Drive-in racking (30" at 60" / 28" at 54")<sup>2</sup>
- Extra tilt
- Open core radiator with straight fin & in-line tube design
- Radiator screen
- Diffusion exhaust muffler<sup>1</sup>
- Overhead guard mounted pre-cleaner
- Rear combination light package
- Rotating beacons & strobe lights
- Rear work light

<sup>1</sup> Available on Gasoline, LP and dual fuel models only.

<sup>2</sup> Available on select models. Consult factory.

# Technical Information **pneumatic models**

With features designed to exceed expectations in the areas of performance, fuel efficiency, emissions regulations, operator comfort and low cost of ownership, the Platinum II Series is the result of Nissan's relentless pursuit in achieving the perfect balance between the needs of the **Owner, Operator** and the **Environment**.

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## Electronic Fuel Injection Engine Technology

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Platinum II Series' Gasoline, LP, and Dual Fuel models are powered by Nissan's own K21 (2.1 liter) and K25\* (2.5 liter) electronic fuel injected industrial engines. Their Electronic Concentrated Control System (ECCS) analyzes engine performance parameters and optimizes engine operation, resulting in enhanced productivity and lower fuel consumption. This system includes three main components: Engine Control Module (ECM), Vehicle Control Module (VCM), and Multi-function LCD Display.

The ECM responds to sensor input by controlling basic engine-related functions, such as proper air/fuel ratio, torque and speed, based on the requirements of the application. The VCM monitors a number of sensors to alert the operator of changing conditions via a full range of warning indicators located on the truck's LCD display. All communication among these components occurs through a Controller Area Network (CAN) system.

Nissan's K-series engines use the same proven block design and bottom-by-pass cooling system as its predecessor, the H-series engine. These enhanced engines are specifically designed and tested for industrial applications in order to deliver all the power and torque (in the low rpm range) to meet the needs of the application. As an added safeguard for your investment, the Platinum II's K21 and K25 engines include an engine/transmission protection and warning system to reduce the speed in the event of excessive heat generation or loss of oil pressure.

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## Low Emission Engines

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### Gasoline/LP-Gas/Dual Fuel

Nissan's global commitment to preserving and protecting the environment is evident in the Platinum II Series' ECCS engines, providing exceptionally low emissions levels that are well below EPA Tier II and CARB requirements. Nissan is the first lift truck manufacturer to receive EPA and CARB certification for their own line-up of industrial engines. The K21 and K25's combination of ECCS and three-way catalytic system, which includes an automotive-type closed-loop design, provides enhanced fuel economy and cleaner exhaust emissions.

### Diesel

With the Platinum II Series our diesel engines have never been cleaner. Nissan's own QD32 diesel industrial engine offers improved fuel consumption and near elimination of black smoke. Emission levels are well below EPA Tier III requirements. A completely new, electronically regulated, Quick Glow System results in considerably reduced glow times, making it easier to start the engine in cold weather.

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## Enhanced Work Environment

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Several standard features are included in the Platinum II Series to deliver a more comfortable and productive work environment for the operator and those in the surrounding area. Nissan's cushioned stability control design incorporates a maintenance-free rubber dampener located between the rear axle and body to enhance lateral stability under normal driving conditions.

The Nissan K-series engines offer extremely low noise levels at the operator's ear during idle and at maximum travel speeds. An optional ground speed control feature is available to control high or low maximum speed settings, while a controlled acceleration mode adjusts throttle sensitivity to increase fuel efficiency, extend drivetrain life and reduce excessive tire wear.

The Platinum II's Operator Presence System, with seat-actuated power interrupt, incorporates a mast-lock which automatically locks lift and tilt operations when the operator leaves the seat, and a return to neutral feature to minimize forklift movement if the operator leaves the seat while the lift truck is still in gear. This presence system also includes audible and visual warnings if either the seat belt is not engaged while in travel mode, or when the parking brake has not been applied prior to the operator exiting the compartment.

A welded metal assist grip combined with a replaceable metal traction plate that's bolted to the truck's wide, low entry step, provides the operator with sure, comfortable footing and grip for this often repeated task. Nissan's own swing-down LP bracket design uses a gas spring assist to reduce operator effort during tank replacement. This optional feature also incorporates an adjustable bracket to fit various tank sizes.\*

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## Ease of Maintenance

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No tools are required to remove the one-piece diamond tread floorboard promoting fast, simple access to hydraulic components and grease fittings. Detachable side panels and a wide-open clamshell hood provide a roomy area for service technicians to perform their tasks. The five-piece reinforced overhead guard simplifies replacement of individual components if necessary, saving time and money. An opening in the dash panel allows for quick and easy brake fluid checks.

A new multi-function LCD display includes on-board diagnostics to keep service time low, with a service reminder in order to stay current with periodic maintenance needs. Its display design provides the operator with excellent visibility and understanding of warning indicators.

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## Operator Comfort and Control

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A spacious operator compartment provides generous foot, leg and head room for a variety of driver sizes. A standard full suspension, fold down seat with soft touch arm pads and hip restraint provides maximum operator comfort and enhanced safety. Its low profile design offers ample head clearance, while front to back travel adjustment allows a comfortable, customized fit for nearly any operator height.

The Platinum II's, tilt-adjustable steering wheel includes a memory lever, to help the operator quickly find his or her ideal driving position, while its compact design offers enhanced control and handling. Hydrostatic power steering minimizes steer effort and operator fatigue. An optional swivel seat produces greater operator comfort and visibility while driving in reverse, and includes a rear assist grip with horn button to further enhance operator productivity and maintain greater control. Automotive-style light and turn signal levers simplify repetitive actions allowing the operator to focus on the job. Optional features designed to enhance load handling efficiency and boost operator productivity include Nissan's exclusive three-stage Optiview mast, providing up to 50% greater visibility. There's also an optional auto tilt leveling system to assist proper mast/fork positioning.

Enhanced comfort results from the Platinum II Series' Operator Comfort System, which includes a full suspension seat, pedals mounted to the chassis frame, and rubber shock absorbers located throughout the vehicle to reduce vibration from the engine and transmission to the operator. For additional vibration reduction, Platinum II Series pneumatic trucks include an automotive-type powertrain mounting design, which incorporates four rubber engine supports.

\*Available on select models. Consult factory.

# Option Availability

## Platinum Series Pneumatic Models

Standard  S Option  O

		Fuel Types			
		LP	Gasoline	Dual Fuel	Diesel
Vehicle Management	Vehicle Control Module (VCM)	S	S	S	S
	Multi-function LCD display	S	S	S	S
	Security PIN access	S	S	S	S
	On-board diagnostics and service reminder	S	S	S	S
	Engine coolant temperature gauge	S	S	S	S
	Oil pressure, transmission fluid and coolant temperature warning light	S	S	S	S
	Low LP fuel warning light	S	-	S	-
	Fuel gauge	-	S	S	S
Powertrain	Electronic Concentrated Control System (ECCS)	S	S	S	-
	Engine/transmission protection system	S	S	S	-
	Floating power train for reduced vibration	S	S	S	S
	Automatic return-to-neutral	S	S	S	S
	Three-way catalytic converter	S	S	S	-
	Cushioned stability control	S	S	S	S
	Ground speed control – high/low speed selector	O	O	O	-
	Controlled acceleration – power/economy modes	O	O	O	-
	Radiator screen	O	O	O	O
	Diffusion exhaust muffler	O	O	O	-
	UL Safety rating <sup>1</sup>	O	-	-	-
LP System	Swing-out LP bracket <sup>2</sup>	S	-	S	-
	Swing-down LP bracket <sup>2</sup>	O	-	O	-
Brake	Parking brake with warning buzzer	S	S	S	S
Mast	Seat actuated auto-mast lock system	S	S	S	S
	Optiview three-stage mast	O	O	O	O
Hydraulic System	Single lift/tilt control lever	S	S	S	S
	Separate lift & tilt control levers	O	O	O	O
	Auto-tilt leveling system <sup>3</sup>	O	O	O	O
	Hydraulic load sensing valve system	S	S	S	S
Steering System	Tilt steering wheel with memory lock	S	S	S	S
	Hydrostatic power steering system	S	S	S	S
Operator Conveniences	Full suspension seat	S	S	S	S
	OHG-mounted headlights	S	S	S	S
	Back-up warning buzzer	S	S	S	S
	Rearview mirrors	O	O	O	O
	Rear combination light package	O	O	O	O
	Rear work light	O	O	O	O
	Strobe lights & rotating beacons	O	O	O	O

1. Available on select models. Consult factory. 2. Available on most LP and Dual Fuel models. Consult factory. 3. Not available on 7,000-lb. Models using 2-stage masts.



3000-lb, 3500-lb, 4000-lb



4000-lb, 5000-lb, 5500-lb,



6000-lb, 7000-lb



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