NISSAN
FORKLIFT

Platinum II Nomad Series

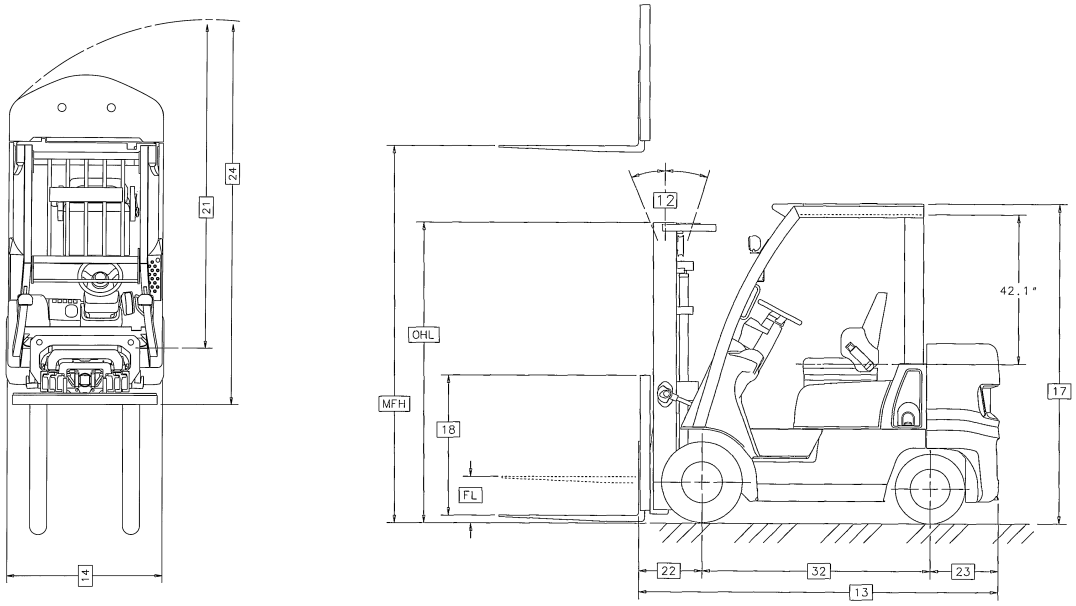
Compact Solid Pneumatic Tire / Engine Powered Models / LPG, Dual Fuel

3,000 / 3,500 / 5,000 lb.
Capacities

Platinum II Nomad series

Dimensions

AF30
AF35



Mast Specifications & Rated Capacities

	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift	Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center AF30	AF35
TWO STAGE (Wide view 2W)	2H210	82	60.3	9	5/10	3000	3500
	2H270	106	72.5	9	5/10	3000	3500
	2H300	118	78.4	9	5/10	3000	3500
	2H330	130	84.3	9	5/10	3000	3500
	2H350	138	89.6	9	5/10	3000	3500
	2H370	146	94.5	9	5/10	3000	3500
	2H400	157	102	12.6	5/10	2950	3400
	2H450	177	111.9	12.6	5/5	2800	3300
	2H500	197	122	12.6	5/5	1300	3100
TWO STAGE (Full free 2F)	2F270	105.5	74	47.4	5/10	3000	3500
	2F300	117.5	80	53.4	5/10	3000	3500
	2F330	129.5	86	59.4	5/10	3000	3500
	2F350	137.5	90	63.4	5/10	3000	3400
	2F370	145.5	94	67.4	5/10	2900	3350
	2F400	157.5	100	73.4	5/10	2850	3300
THREE STAGE (Full free 3F)	3F385	152	72.5	46.8	5/5	2900	3400
	3F430	169	78.4	52.7	5/5	2800	3100
	3F475	187	84.3	58.6	5/5	2600	2900
	3F515	203	89.6	63.9	5/5	2300	2600
	3F550	217	94.5	68.9	5/5	2100	2400
	3F600	236	102	76.3	5/5	1800	2000
	3F650	256	111.9	86.2	5/5	1700	1800
THREE STAGE Optiview (3V)	3V360	142	72.5	47.6	5/5	2850	3200
	3V405	159	78.4	53.5	5/5	2700	3100
	3V450	177	84.3	59.4	5/5	2600	2700
	3V490	193	89.6	64.8	5/5	2400	2600
	3V525	207	94.5	59.7	5/5	2100	2300
	3V575	226	102	77.2	5/5	1800	2100
	3V633	249	111.9	87	5/5	1600	1900

3,000 / 3,500 lb. capacities

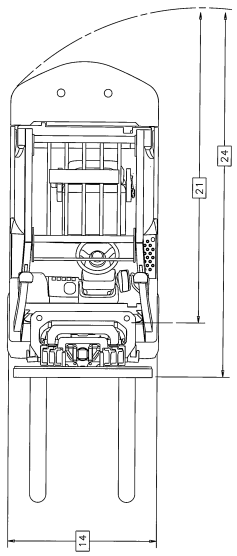
Main Truck Specifications

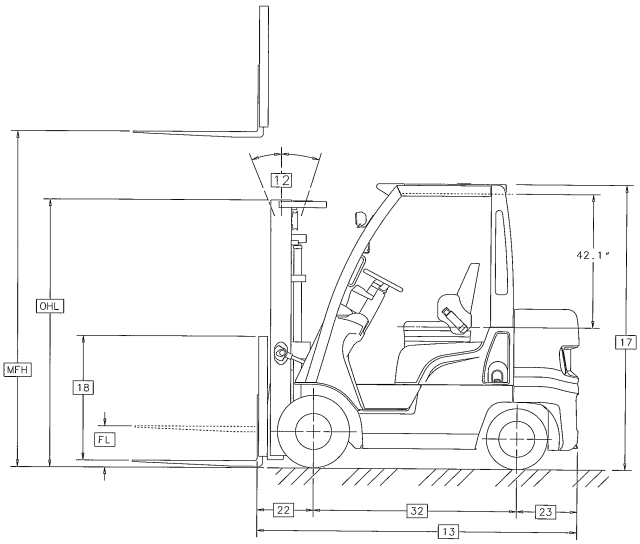
CHARACTERISTICS	1	Manufacturer's Name			Nissan	Nissan	1
	2	Model	Model designation		AF30	AF35	2
			Long model code		MAP1F1A15LV / DV	MAP1F1A18LV / DV	
	3	Rated Load Capacity		lb (kg)	3000 (1500)	3500 (1750)	3
	4	Load Center	Distance	in (mm)	24 (500)	24 (500)	4
	5	Power Type			LP - G/LP	LP - G/LP	5
DIMENSIONS	6	Operator Orientation			Sit	Sit	6
	7	Tire Type	Front & rear		Pneumatic	Pneumatic	7
	8	Wheels	Number (x=driven) front/rear		2 x / 2	2 x / 2	8
	9	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	9
	10		Standard freelift	in (mm)	9 (229)	9 (229)	10
	11	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	11
			Length (STD)	in (mm)	42 (1070)	42 (1070)	
	12	Tilt Angle	Standard mast - fwd/back	degree	5 / 10	5 / 10	12
	13	Overall Dimensions	Length (to face of forks)	in (mm)	83.9 (2130)	88.2 (2160)	13
	14		Width (standard tires)	in (mm)	40.7 (1035)	40.7 (1035)	14
	15		Mast lowered (OHL)	in (mm)	84.3 (2140)	84.3 (2140)	15
	16		Mast extended with LBR	in (mm)	167.1 (4245)	167.1 (4245)	16
	17		Height - top of OHG	in (mm)	83 (2108)	83 (2108)	17
	18		Height - top of standard LBR	in (mm)	48 (1220)	48 (1220)	18
	19		Width - standard carriage	in (mm)	36.2 (920)	36.2 (920)	19
	20	Grade Clearance	Ramp breakover angle	tan (%)	51	51	20
			Departure angle	tan (%)	42	40	
			Approach angle	tan (%)	36	36	
	21	Turning Radius	Minimum outside	in (mm)	72.6 (1845)	73.8 (1875)	21
	22	Overhang	Front	in (mm)	15.4 (390)	15.4 (390)	22
	23		Rear	in (mm)	17.7 (450)	18.9 (480)	23
	24	Min Right Angle Stack	Add load length & clearance	in (mm)	88.2 (2240)	89.4 (2270)	24
PERFORMANCE	25	Speeds Maximum	Travel - forward or reverse	mph (kmh)	10.6 (17)	10.6 (17)	25
	26		Lift - full/empty	fpm (mm/sec)	122/127.9 (620/650)	122/127.9 (620/650)	26
			Lowering - full/empty	fpm (mm/sec)	98.4 (500)	98.4 (500)	
	27	Drawbar Pull Maximum	Full	lb (kg)	3748 (1700)	3748 (1700)	27
			Empty	lb (kg)	1984 (902)	1984 (902)	
	28	Gradeability Maximum	Full/empty	tan (%)	42 / 28	42 / 26	28
WEIGHT	29	Truck Weight	Standard truck - no load	lb (kg)	5820 (2640)	6205 (2815)	29
	30	Weight Distribution	Front axle - empty	lb (kg)	2215 (1005)	2105 (955)	30
			Rear axle - empty	lb (kg)	3605 (1635)	4100 (1860)	
			Front axle - with rated load	lb (kg)	7485 (3395)	8355 (3790)	
			Rear axle - with rated load	lb (kg)	1310 (595)	1380 (625)	
CHASSIS & WHEELS	31	Tire Size	Front	in	6.00 x 9 Solid	6.00 x 9 Solid	31
			Rear	in	5.00 x 8 Solid	5.00 x 8 Solid	
	32	Wheelbase		in (mm)	50.8 (1290)	50.8 (1290)	32
	33	Tread - Center of Tire	Front & rear	in (mm)	34.3/34.8 (870/885)	34.3/34.8 (870/885)	33
		Headroom	SIP to bottom of OHG	in (mm)	42.1 (1070)	42.1 (1070)	
		Counterweight Height		in (mm)	46.9 (1190)	46.9 (1190)	
		Step Height		in (mm)	18.3 (465)	18.3 (465)	
	34	Ground Clearance	Under mast	in (mm)	3.9 (100)	3.9 (100)	34
			Under power unit	in (mm)	3.7 (95)	3.7 (95)	
			Under frame (WB center)	in (mm)	5.5 (140)	5.5 (140)	
	35	Service Brake	Type		Drum and Shoe	Drum and Shoe	35
	36	Parking Brake	Type		Hand	Hand	36
DRIVE LINE	37	Steering	Type		Full Hydraulic	Full Hydraulic	37
	38	Engine	Manufacturer/Model		Nissan K21	Nissan K21	38
		Rated Output	SAE gross/JIS	hp/rpm (PS/rpm)	55/2700 (55.7/2700)	55/2700 (55.7/2700)	
		Rated Torque	SAE gross/JIS	ft-lb/rpm (kg-m/rpm)	111.4/2000 (15.4/2000)	111.4/2000 (15.4/2000)	
		Displacement		cu in (cm^3)	126 (2065)	126 (2065)	
	39	Transmission	Type		Automatic	Automatic	39
			Number speeds - fwd/rev		1/1	1/1	

Platinum II Nomad series

Dimensions

AF50





Mast Specifications & Rated Capacities

	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift	Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center
TWO STAGE (Wide view 2W)	2H210	82	59.1	8.5	5/10	5000
	2H270	106	71.3	8.5	5/10	5000
	2H300	118	77.2	8.5	5/10	5000
	2H330	130	83.1	8.5	5/10	5000
	2H350	138	88.4	8.5	5/10	5000
	2H370	146	93.3	8.5	5/10	5000
	2H400	157	100.8	12	5/10	4950
	2H450	177	110.6	12	5/5	4850
	2H500	197	120.5	12	5/5	4700
TWO STAGE (Full free 2F)	2F270	105.5	74	47.4	5/10	5000
	2F300	117.5	80	53.4	5/10	5000
	2F330	129.5	86	59.4	5/10	5000
	2F350	137.5	90	63.4	5/10	5000
	2F370	145.5	94	67.4	5/10	5000
	2F400	157.5	100	73.4	5/10	4850
THREE STAGE (Full free 3F)	3F385	152	71.3	46.9	5/5	4950
	3F430	169	77.2	52.8	5/5	4800
	3F475	187	83.1	58.7	5/5	4350
	3F515	203	88.4	64	5/5	3900
	3F550	217	93.3	68.9	5/5	3550
	3F600	236	100.8	76.4	5/5	3100
	3F650	256	110.6	86.2	5/5	2700
	3F700	276	120.5	96.1	5/5	2000
THREE STAGE Optiview (3V)	3V360	142	71.3	47.8	5/5	4950
	3V405	159	77.2	53.7	5/5	4800
	3V450	177	83.1	59.6	5/5	4350
	3V490	193	88.4	64.9	5/5	4250
	3V525	207	93.3	69.8	5/5	3550
	3V575	226	100.8	77.3	5/5	3100
	3V633	249	110.6	87.2	5/5	2400
	3V688	271	120.5	97	5/5	2000

5,000 lb. capacity

Main Truck Specifications

CHARACTERISTICS	1	Manufacturer's Name			Nissan	1
	2	Model	Model designation		AF50	2
			Long model code		MAP1F2A25LV / DV	
	3	Rated Load Capacity		lb (kg)	5000 (2500)	3
	4	Load Center	Distance	in (mm)	24 (500)	4
	5	Power Type			LP - G/LP	5
	6	Operator Orientation			Sit	6
DIMENSIONS	7	Tire Type	Front & rear		Pneumatic	7
	8	Wheels	Number (x=driven) front/rear		2 x / 2	8
	9	Mast	Maximum fork height	in (mm)	130 (3300)	9
	10		Standard freelift	in (mm)	8.5 (216)	10
	11	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	11
			Length (STD)	in (mm)	42 (1070)	
	12	Tilt Angle	Standard mast - fwd/back	degree	5/10	12
	13	Overall Dimensions	Length (to face of forks)	in (mm)	92.9 (2360)	13
	14		Width (standard tires)	in (mm)	46.3 (1175)	14
	15		Mast lowered (OHL)	in (mm)	83.1 (2110)	15
	16		Mast extended with LBR	in (mm)	167.1 (4245)	16
	17		Height - top of OHG	in (mm)	82.3 (2090)	17
	18		Height - top of standard LBR	in (mm)	48 (1220)	18
	19		Width - standard carriage	in (mm)	36.2 (920)	19
	20	Grade Clearance	Ramp breakover angle	tan (%)	39	20
			Departure angle	tan (%)	40	
			Approach angle	tan (%)	25	
	21	Turning Radius	Minimum outside	in (mm)	80.7 (2050)	21
	22	Overhang	Front	in (mm)	15.2 (385)	22
	23		Rear	in (mm)	17.7 (450)	23
	24	Min Right Angle Stack	Add load length & clearance	in (mm)	97.2 (2470)	24
PERFORMANCE	25	Speeds Maximum	Travel - forward or reverse	mph (kmh)	10.6 (17)	25
	26		Lift - full/empty	fpm (mm/sec)	122/127.9 (620/650)	26
			Lowering - full/empty	fpm (mm/sec)	98.4 (500)	
	27	Drawbar Pull Maximum	Full	lb (kg)	3748 (1700)	27
			Empty	lb (kg)	2183 (992)	
	28	Gradeability Maximum	Full/empty	tan (%)	33 / 21	28
WEIGHT	29	Truck Weight	Standard truck - no load	lb (kg)	7915 (3590)	29
	30	Weight Distribution	Front axle - empty	in (mm)	2670 (1210)	30
			Rear axle - empty	in (mm)	5245 (2380)	
			Front axle - with rated load	in (mm)	10970 (4975)	
			Rear axle - with rated load	in (mm)	1905 (865)	
CHASSIS & WHEELS	31	Tire Size	Front	in	21 x 8 - 9 Solid	31
			Rear	in	18 x 7 - 8 Solid	
	32	Wheelbase		in (mm)	59.1 (1500)	32
	33	Tread - Center of Tire	Front / rear	in (mm)	38.4/36.6 (975/930)	33
		Headroom	SIP to bottom of OHG	in (mm)	42.1 (1070)	
		Counterweight Height		in (mm)	42.3 (1075)	
		Step Height		in (mm)	16.1 (410)	
	34	Ground Clearance	Under mast	in (mm)	3 (75)	34
			Under power unit	in (mm)	3.7 (95)	
			Under frame (WB center)	in (mm)	5.1 (130)	
	35	Service Brake	Type		Drum and Shoe	35
	36	Parking Brake	Type		Hand	36
DRIVE LINE	37	Steering	Type		Full Hydraulic	37
	38	Engine	Manufacturer / Model		Nissan K21	38
		Rated Output	SAE gross/JIS	hp/rpm (PS/rpm)	55/2700 (55.7/2700)	
		Rated Torque	SAE gross/JIS	ft-lb/rpm (kg-m/rpm)	111.4/2000 (15.4/2000)	
		Displacement		cu in (cm^3)	126 (2065)	
	39	Transmission	Type		Automatic	39
			Number speeds - fwd/rev		1/1	

Available Equipment

Standard Equipment

- Nissan's own K21 industrial engine with Electronic Concentrated Control System (ECCS)
- Electronic fuel injected technology with single-port fuel injection (LP) / multi-port injection (Gas)
- Low emission levels, well below EPA Tier II and CARB requirements
- Two-stage engine/transmission protection and warning system to safeguard your investment
- 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)
- 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
- Overhead guard mounted headlights
- 5-piece reinforced overhead guard
- One-piece, no-tool floorboard

Optional Equipment

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

*Available on 5,000-lb. model only.

Technical Information compact pneumatic models

The versatility of Nissan's Nomad makes this the right lift truck for a variety of applications. Riding on solid pneumatic tires, its compact design and high ground clearance provide both excellent maneuverability inside the warehouse and rugged performance outside on improved surfaces. Powered by Nissan's own LPG and Dual Fuel K21 electronic fuel injected engine technology, the Nomad Series delivers exceptional performance and enhanced fuel efficiency, with emission levels well below EPA requirements. With features designed to benefit the **Owner**, **Operator** and **Environment**, the Platinum's Nomad Series has achieved a perfect balance.

Electronic Fuel Injection Engine Technology

Platinum II Nomad Series models are powered by Nissan's own K21 (2.1 liter) electronic fuel injected industrial engine. The 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 job. 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 Nomad's K21 engine includes a two-stage engine/transmission protection and warning system to reduce the speed in the event of excessive heat generation or low oil pressure.

Low Emission Engines

Nissan's global commitment to preserving and protecting the environment is evident in the Platinum II Nomad Series' ECCS engines, providing exceptionally low emission 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, setting us apart as the world leader in clean air engine technology. The K21's combination of ECCS and three-way catalytic system, which includes an automotive-type closed-loop design, provides enhanced fuel economy and the cleanest exhaust emissions.

Enhanced Work Environment

Several standard features are included in the Platinum II Nomad 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 Nomad's Operator Presence System, with seat-actuated power interrupt, incorporates a mast-lock which automatically locks out lift, lower and tilt when the operator leaves the seat, and a return to neutral feature minimizes 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.*

Ease of Maintenance

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.

Operator Comfort and Control

A spacious operator compartment provides generous foot, leg and head room for a variety of driver sizes. A standard full suspension 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 Nomad'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 Nomad's 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.

*Available on 5,000-lb. model only.

Option Availability

Platinum Nomad Series Compact Pneumatic Models

Standard S Option O

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

* Available on 5,000-lb. model only.

3000-lb, 3500-lb

5000-lb

Nissan Forklift Corporation
240 N. Prospect Street
Marengo, IL 60152 USA
Phone (815) 568-0061
Fax (815) 568-0179
www.nissanforklift.com

NISSAN FORKLIFT

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