

NISSAN
FORKLIFT

TX Series

Pneumatic Tire/Electric Powered Models



NISSAN FORKLIFT CO., LTD.

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Move Your Operations to the Top!

The TX Series represents the next generation in electric forklifts, ready to take on the leading role in tomorrow's materials handling operations.

Fully equipped with a newly developed AC motor and other beneficial features, the TX Series delivers outstanding performance at higher productivity while realizing lower total life-cycle cost. And it is not just the basic performance of these electric-powered forklifts that has been improved. The TX Series also incorporates a number of new ergonomic designs that guarantee operating ease and comfort. Developed using years of experience and advanced Nissan technology, the TX Series offers a perfect balance of features that will satisfy not only the owners, but also operators and those in the surrounding environment as well.

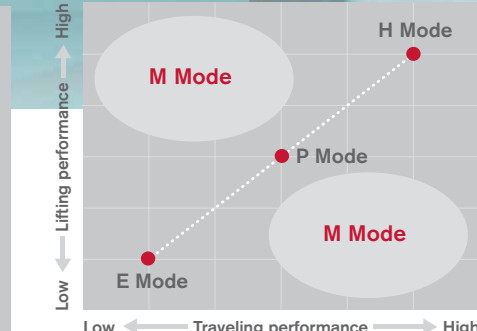
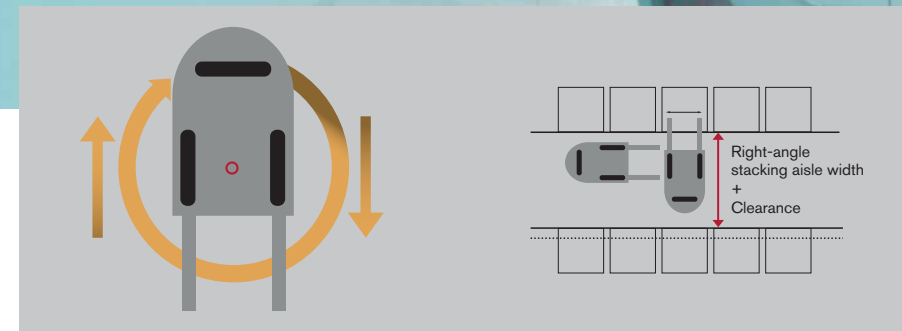
Full AC Control

Thanks to the AC controlled traction motor and hydraulic pump motor, the TX Series achieves a higher level of basic performance and lower electricity consumption at the same time. The TX Series uses a hydraulic pump motor to control the power steering and loading system, making it possible to completely remove the DC motor. The brush-less structure of the AC motors and controller also helps to significantly reduce maintenance costs.



High Productivity and Efficiency

In addition to excellent basic performance, the TX Series delivers the highest levels of productivity with maneuverability that is unique to 3-wheel models. Moreover, a variety of advanced equipment and functions ensures long operating hours and low maintenance costs.



Superb Maneuverability

With the exceptional maneuverability that is unique to 3-wheel models, tasks can be completed faster and more efficiently even in narrow aisles. Additionally, the standard double rear-wheel helps to provide stability and extra load capacity.

3+1 Performance Mode

In addition to the 3 pre-set modes, the operator can manually adjust both traveling and loading performance to desired levels.

- Economy (E) mode: For extended operating hours.
- Power (P) mode: For normal use.
- High-power (H) mode: For maximum performance.

- 1 Switchback regeneration
- 2 Foot brake regeneration
- 3 Accelerator-off regeneration
- 4 Anti-rollback regeneration
- 5 Lifting/lowering regeneration

Five Regenerative Functions

Advanced regenerative technologies reclaim energy efficiently from a variety of operations, contributing to lower power consumption and longer operating hours.



Long Operating Hours

In addition to the Five Regenerative Functions, features such as the power steering with load sensor and the automatic power cut-off contribute to long operating hours per charge.



Six-disc Wet-type Brakes

Fully enclosed six-disc wet-type brakes help to reduce maintenance costs significantly. And because these brakes are sealed within the drive unit, they also offer greatly improved durability.

Excellent Control and Comfort

With its ergonomic design — developed for the European market, where higher demands are made for operator-oriented features — the TX Series offers superb operating ease and comfort, allowing the operator to better concentrate on the task at hand.



Small-diameter Steering Wheel with Tilt Adjustment

The operator can enjoy an ideal driving posture thanks to the steering wheel with tilt adjustment.



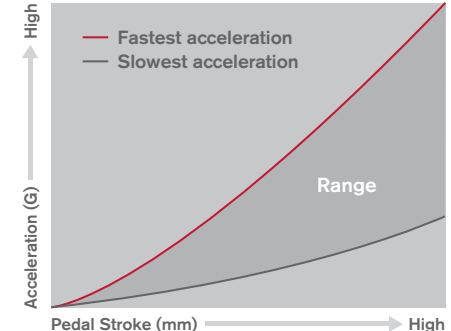
Automobile-style Light/Turn-signal Lever and Small-stroke F/R Lever (Electric Type)

The automotive style seen in the design of the TX Series is evident in the easy-to-operate light/turn-signal lever and small-stroke F/R lever.



Precise Hydraulic Control

Standard hydraulic control levers located on the right hand side are easily accessible. Combined with an excellently tuned hydraulic system, materials-handling activities can be performed with high accuracy.



Fuzzy Logic Acceleration Control

Precise microprocessor control provides fast acceleration for long stretches while slowing acceleration for final approaches to loading points.



Wide-open Foot Space

The TX Series has been designed to provide a wide step with ample legroom for easy access to its spacious cabin offering optimal seating comfort. A lower floor height also makes it easier to enter and exit the forklift.

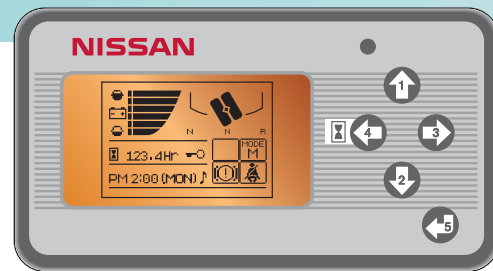


Standard High Overhead Guard

The TX Series has one of the market's highest available overhead guards (2.11m) as standard, providing generous headroom for the operator. For loading and unloading activities in lower ceiling work areas, an optional low-overhead guard (1.98m) is also available.

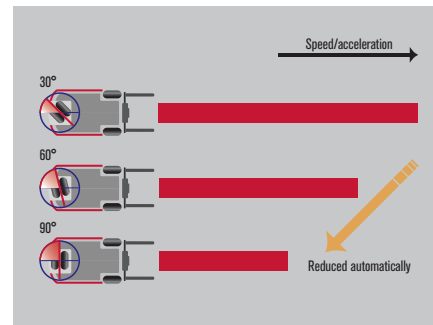
Superb Functionality and Safety

The newly developed Multifunctional LCD Monitor now makes it possible for both the operator and service engineer to quickly check on vital vehicle information. Furthermore, numerous safety features have been incorporated to help give operators more confidence.



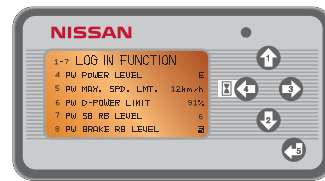
Multifunctional LCD Monitor with Wheel-angle Indication

The large, easy-to-see Multifunctional LCD Monitor enables the operator to check on all aspects of operational status, warning lamps, etc. at a glance. When travel speed is 3 km/h or less, the LCD also displays the rear wheel's angle.



Turn Control

Travel speeds and acceleration are automatically restricted during turning to improve driving comfort and provide good lateral stability while making a turn.



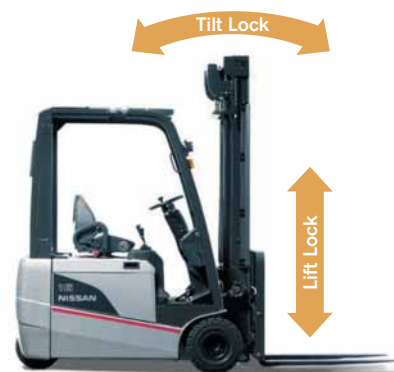
Self-diagnosis System

The on-board diagnostic menu is an innovative technology with integrated self-check and dialogue-type functions that allow easy troubleshooting while reducing maintenance downtime.



Personal Identification Number (PIN) Access

The TX Series is equipped as standard with a 4-digit PIN access system to avoid unauthorized truck usage. The PIN system can also be combined with pre-set performance profiles to match operator skills or to meet company safety regulations.



Mast Lock System

To help prevent accidents involving the mast and forks, the Mast Lock System*, standard on all models, automatically locks lifting and tilting operations when the operator leaves the seat.

*Engages 3 seconds after operator leaves the seat.



Anti-rollback System

Even when the operator accidentally releases the accelerator while the forklift is going up an incline, the Anti-rollback System helps keep the sliding back speed of the forklift constant.

Main Optional Equipment



FINGERTIP Control Levers

The optional fingertip control system uses electro-hydraulic levers, making travel direction, horn, and lift operations simple with a slight touch of the fingertip.



OPTIVIEW (3V) Mast

When compared to the standard 3-stage masts, two small free-lift cylinders on both sides of the OPTIVIEW mast replace the large, centrally placed free-lift cylinder to improve forward visibility.



CLEAR-VISION Cabin

This modern design glass 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.

Specifications

Model		TX-13	TX-15		TX-16	TX-18		TX-20
		S1N1L13Q	S1N1L15Q	1N1L15Q	G1N1L16Q	1N1L18Q	G1N1L18Q	G1N1L20Q
Load Capacity	kg	1250	1500	1500	1600	1750	1800	2000
Load Center	mm	500	500	500	500	500	500	500
Wheelbase	mm	1195	1195	1300	1410	1300	1410	1410
Max. Fork Height (standard mast)	mm	3000	3000	3000	3000	3000	3000	3000
Overall Width*1	mm	1070(1105)	1070(1105)	1070(1105)	1090(1105)	1070(1105)	1120(1105)	1120(1105)
Overall Length (without forks)	mm	2685	2685	2790	2900	2795	2905	2905
Overall Height (overhead guard height)	mm	2110	2110	2110	2110	2110	2110	2110
Turning Radius (outside)	mm	1420	1420	1525	1635	1525	1635	1635

*1 : Figures in parentheses refer to cushion tire models.

Option Availability

Item	TX		
	Standard	Option	
Mast	2-stage wide view mast (2W)		
	2-stage full free mast (2F)		
	3-stage full free mast (3F)		
	3-stage OPTIVIEW mast (3V)		
Hydraulic control	Control system	Mechanical control lever	
		FINGERTIP control lever	
	Spool no.	3-spool valve	
		4-spool valve	
Lever arrangement	Twin control lever		
	Single control lever	*1	
Steering system	Steering synchronizer		
Light	Headlights/Rear combination lamps/ Turn signal lamps		
	Rear working light		
	Rotating light		
Tire	Pneumatic-type solid tire		
	Cushion tire	*2	
Cold storage	-35°C		
Body	Rain guard (Plastic type)		
	Rearview mirror		
	Room mirror	*3	
	High overhead guard		
	Low overhead guard		
	CLEAR-VISION cabin		

*1 : For FINGERTIP control lever only. *2 : Long wheelbase model only.

*3 : Combined with CLEAR-VISION Cabin only.

