

**NISSAN**  
FORKLIFT

# **BX Series**

Pneumatic & Cushion Tire/Electric Powered Models



**NISSAN FORKLIFT CO., LTD.**

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# The Supreme Choice — Ideal for Owners, for Operators, and for the Environment.

The BX Series of cutting-edge electric-powered forklifts is ready to take center stage in the future of load handling operations.



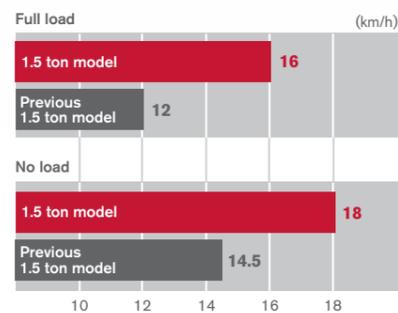
## AC SYSTEM

The BX Series comes packed with on-the-edge technologies such as the newly developed AC system, which consists of an AC controller and large-capacity motor. This development makes DC motors unnecessary and eliminates components like brushes, contributing to substantially reduced maintenance costs. Best of all, the AC system yields amazing per-charge operating hours never before possible while delivering class-leading performance. The BX Series represents a progressive evolution of the electric-powered forklift.

# On-The-Job Productivity



The newly developed AC motor provides more power and speed while lowering power consumption and several advanced regenerative technologies enable longer operating hours.



## High Traveling Speed

Thanks to the adoption of an AC motor, the maximum traveling speed of the BX Series has been improved to an impressive level.



## High Lifting Speed

The AC motor also gives the BX Series higher lifting speeds, enhancing productivity and helping to get more work done faster.



## 3+1 Performance Modes

Three preset performance modes can be chosen to adjust traveling and lifting performance to suit different requirements.

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

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

## Five Regenerative Functions

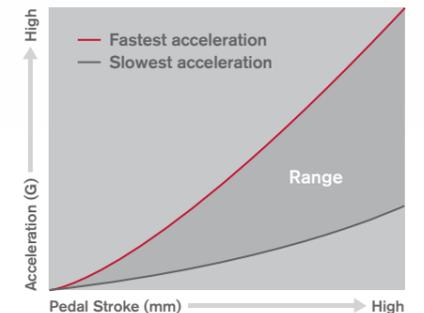
Advanced regenerative technologies reclaim energy efficiently from a variety of operations, contributing to lower power consumption and longer operating hours.



## Long Operating Hours

Complementing the five regenerative functions offered by the BX Series, the following features help to extend operating hours.

- Power steering with load sensor: Diverts oil to the PS hydraulic circuit only when power steering is active.
- Automatic power cut-off function: Automatically cuts off power if the vehicle is not operated for 15 minutes.



## Fuzzy Logic Acceleration Control

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

# Excellent Operating Ease



As well as delivering outstanding performance, the BX Series also offers a variety of easy-to-operate functions to help ensure that material handling can be carried out faster and more smoothly.



## Multifunctional LCD Monitor

The large, easy-to-see LCD panel allows various aspects of vehicle status such as speed, battery charge and performance settings as well as several indicators and warning lights to be checked at a glance. To enhance security, there is also a password entry feature that enables up to 5 codes to be preset depending on work conditions. And to complement the central management of vehicle data, the self-diagnosis system helps to reduce downtime for fast maintenance in the event of a malfunction.



## Small-diameter Steering Wheel with Tilt Adjustment

A smaller, tilt-adjustable power steering wheel helps to provide the ideal driving position while also improving forward visibility.



## Single Control Lever (option)

Our original Single Control Lever enables simultaneous lifting and tilting operations for greater productivity (gun-grip double control levers are also available).



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

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



## Wide-open Foot Space

The area between the foot pedals and the seat support is free from obstructions that can hamper leg movement. The lower floor height also makes it easier to enter and exit.

# High Output Made Easy



Packed with a complete range of technologies that make the forklift more operator oriented than ever before, the BX Series offers optimum operating ease and comfort to further productivity.



## Super Wide-view Mast

The outer chains and extra-wide opening between the inner masts give the operator superior forward visibility, helping to improve the efficiency of operations.



## Tilt Leveling System (option\*)

A simple press of a button on the mast control lever brings the forks automatically to the horizontal position.

\*Available only for the 2W300 mast.



## Soft Landing System\*

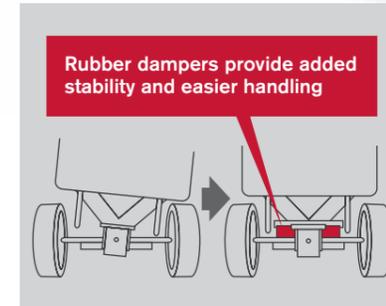
Even if the operator keeps the control lever down, the soft landing function will help ensure that the forks will smoothly decelerate just before reaching the ground.

\*Available only for the 2W mast.



## Foot Parking Brake

An automobile-style foot parking brake located on the floorboard improves convenience and the carefully designed hand release helps to ensure safer operation.



Rubber dampers provide added stability and easier handling

## Swaying Control System

Our exclusive Swaying Control System\*, which provides confident driving control when turning the forklift, is standard equipment. The simple design of this system helps to enhance reliability.

\*The Swaying Control System, however, does not eliminate the possibility of the forklift tipping over.



## Smooth Run System (option)

Two different types of accumulator absorb the shocks transmitted from the road surface, making both load handling and travel smoother. This offers extra benefits when working with delicate loads on rough surfaces.

# Reassuring Safety



Seat-actuated safety features such as the Mast Lock System and various warning buzzers take risk reduction to the next level. Complementing these features is the Anti-rollback System that helps to improve operator confidence.



## Restraint Seat with Suspension

Offering ample suspension capacity, this newly designed seat ensures comfortable operation. And to help enhance safety, a seat-actuated warning buzzer\* will activate when the operator leaves the seat without engaging the parking brake.

The seat design of Cushion Tire Models vary.  
\*There is a three-second delay before the warning buzzer activates.



## 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.

\*There is a three-second delay before the Mast Lock System activates.



## Anti-rollback System

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

## Compact and Maneuverable

### BX Series Cushion Tire Models

Boosting the smallest dimensions in the BX Series for superb mobility and comparable performance levels of pneumatic tire models, the cushion tire models are ideally suited for indoor tasks where space is at a premium.



## Specifications

Model		Pneumatic Tire Models				Cushion Tire Models		
		1.5t	1.8t	2.0t	2.5t	1.5 - 1.8t	2.0t - 2.5t	3.0t
		Standard Model	K1B1L15U	K1B1L18U/FU	P1B2L20U	P1B2L25U/FU	MCK1B1L15U/18U	MCP1B2L20U/25U
	High Capacity Model	K1B1R15U	K1B1R18U	P1B2R20U	P1B2R25U	—	—	—
	Long Wheelbase Model	(KG1B1L15U)	(KG1B1L18U)	(PG1B2L20U)	(PG1B2L25U)	—	—	MCPG1B2L30U
Load Capacity	kg	1500	1750	2000	2500	1500 / 1750	2000 / 2500	3000
Load Center	mm	500	500	500	500	500	500	500
Max. Fork Height – standard mast	mm	3000	3000	3000	3000	3000	3000	3000
Overall Width	mm	1120	1120	1165	1165	970	1070	1100
Overall Length – without forks	mm	2030 (2220)	2075 (2220)	2260 (2445)	2325 (2445)	2045 / 2050	2155 / 2190	2365
Overall Height – overhead guard height	mm	2120	2120	2120 (2275)	2120 (2275)	2190	2220	2220
Turning Radius – outside	mm	1750 (1970)	1780 (1970)	1960 (2140)	2000 (2140)	1800	1845 / 1875	2060
Optional Battery Maximum Capacity (48V)	Standard Model	485		565		—	—	—
	High Capacity Model	545		700		—	—	—
	Long Wheelbase Model	700		865		—	—	—

## Option Availability

Item	Pneumatic Tire Models		Cushion Tire Models	
	1.5 - 1.8t	2.0 - 2.5t	1.5 - 1.8t	2.0 - 3.0t
Warning Buzzer	Back-up buzzer			
	Parking brake warning buzzer			
Loading Mechanism	2W mast			
	2F mast			
	3F mast			
	Smooth-Run System			
Hydraulic System	2 spool valve			
	3 spool valve			
	4 spool valve			
	Single control lever			
Tires	Double control lever			
	Rib-lug tire			
	J-lug tire (Textile)			
	Pneumatic type solid tire			
	Double tire			
Others	Cushion tire			
	Wide tread			
LCD, Restraint Seat with Suspension, Head lights (without guard), Floor mat			LCD, Restraint Seat with Suspension, Head lights (with guard)	

Standard Option