

by **UNI CARRIERS**

**NISSAN**  
**FORKLIFT**

**BX** Series

Pneumatic & Cushion Tire / Electric Powered Models



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# Perfect Balance

**Eco-friendly, Economical and Easy to Operate:  
Get Outstanding Productivity Results with the New BX Series!**

Featuring a superlative range of cutting-edge technologies, the BX Series has evolved into the ultimate in zero-emission electric-powered forklifts. This means that in addition to class-leading performance characteristics such as long operating hours, superb power, and high traveling speeds, the BX Series is now more environmentally friendly, easier to operate, and economical. Balancing safety and quality perfectly with remarkable efficiency, the BX Series is the next generation in electric-powered forklifts destined to become the first choice for any materials handling need.

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## BX Series





# 01 Performance

Incredible performance and exceptional efficiency make the BX Series a world-class performer in materials handling.

## 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.

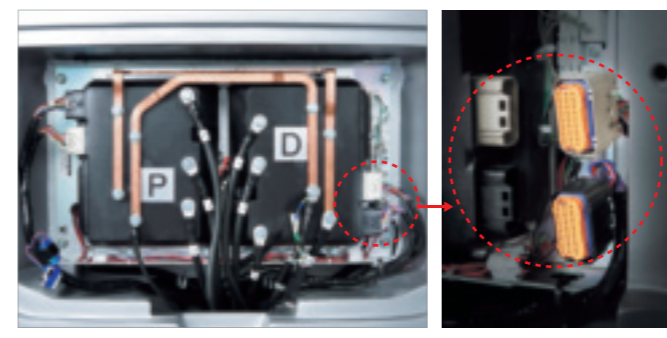
## High Lifting Speed

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



## Dust and Water-resistant Controller NEW

The new AC controller has an IP54\* rating due to special connectors that help protect it against dirt and water ingress.



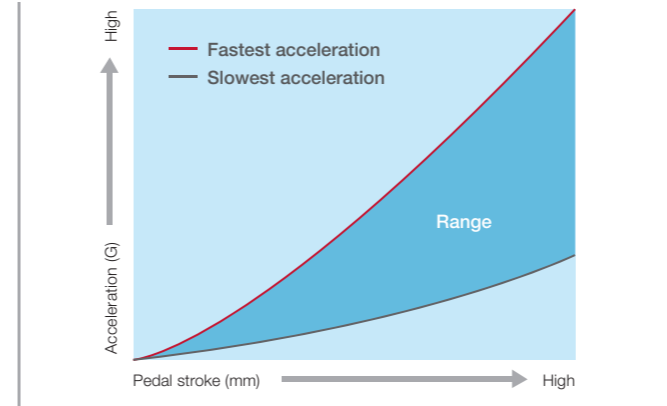
AC controller designed for excellent water-resistance.

\* IP54 Rating (Ingress Protection) is used to specify the extent to which equipment is protected against dust/dirt particles and water.

## Fuzzy Logic Acceleration Control

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

### Fuzzy logic acceleration curves



## Smooth-run System (option)

Two different types of accumulators 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.



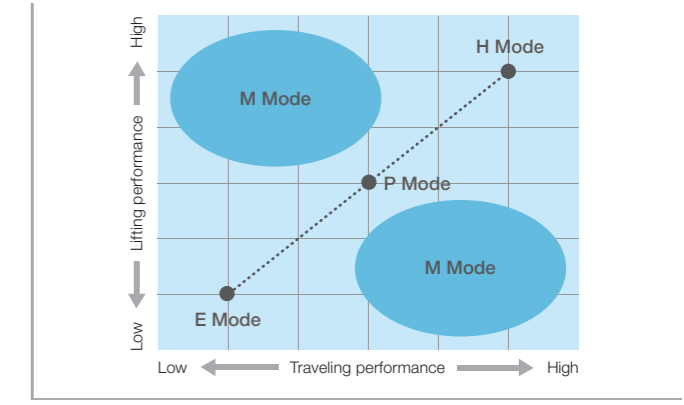
## 3+1 Performance Modes

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

### Selecting a power mode

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

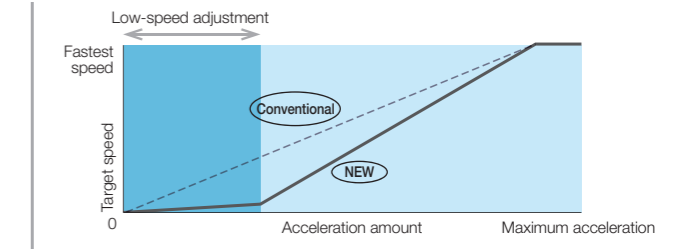
### Features for individual modes



## Enhanced Low-speed Operability NEW

Operating characteristics of the accelerator pedal have been dramatically improved to ensure precise control during inching maneuvers.

### Acceleration and vehicle-speed characteristics



## Improved Restarting on Inclines NEW

Improved regenerative performance helps to ensure smoother restarting after the accelerator pedal is released on an incline.



# 02 Easy to Operate

The outstanding performance of the BX Series and resulting productivity are due to a variety of ergonomic functions that help ensure materials handling operations are accomplished in a quick and smooth manner.



## Multifunctional LCD Monitor

The large, easy-to-see LCD monitor 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 PIN access system that enables up to five 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 quicker maintenance in the event of malfunction.



## Load Meter (option)

NEW

Load weight is clearly displayed on the LCD monitor to help prevent overloading. The operator is notified by an indicator and alarm buzzer when loads exceed preset limits. Lifted load weights are displayed for 5 seconds\*<sup>1</sup> during traveling speeds of less than 3km/h and weight is indicated in 20kg increments starting from 100kg\*<sup>2</sup>.

\* 1: The length of load display time can be adjusted in the Dealer Mode.

\* 2: Load weight of less than 100kg will be displayed as 0kg.

Note: Displayed weight is approximate.

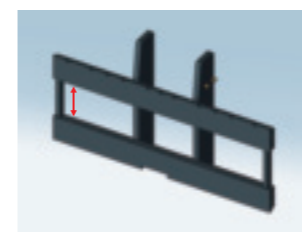


## Three-stage Full-free Mast Carriage for Expansive Visibility

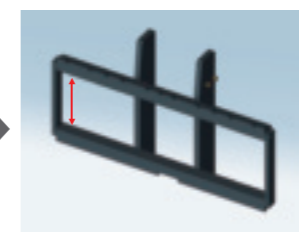
NEW

Superior forward visibility is now realized by integrating a wide view finger bar into the single-row, three-stage full-free mast carriage.

Note: Forks can be converted to a conventional finger bar type by changing the attachment.



Conventional finger bar (simulated photo)



Wide-visibility finger bar (simulated photo)

## Wide-open Foot Space

Ample legroom and the lower floor height provide a generous amount of space for the operator, making it easier to enter and exit the forklift.



## 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.

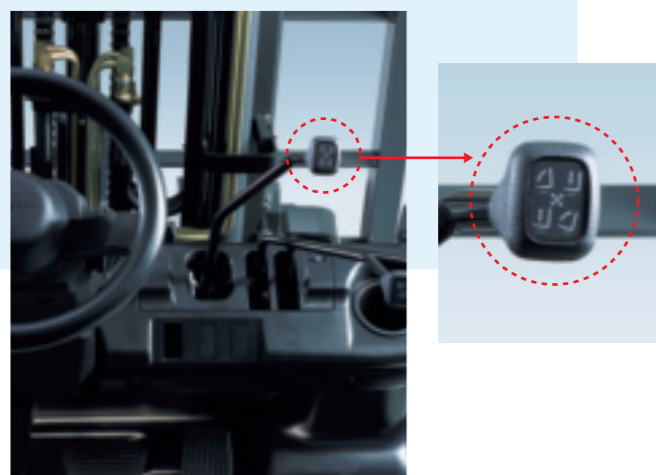


# 03 | Eco-friendly and Economical

In addition to the eco-friendly characteristics expected of an electric-powered forklift, the BX Series is fully equipped with features designed to ensure impressive energy savings and economical operation.

## 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).



## Tilt Leveling System (option\*)

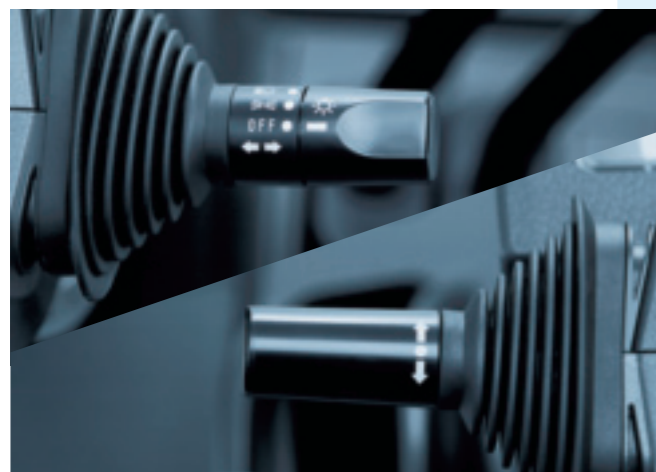
A simple press of a button on the mast control lever brings the forks automatically to the horizontal position.

\* Available with the Load Meter.



## 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.



## 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.



## Five Regenerative Functions

Advanced regenerative technologies reclaim energy efficiently from a variety of operations. There are a total of five regenerative functions that contribute to lower power consumption and longer operation hours.

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

## Long Operating Hours

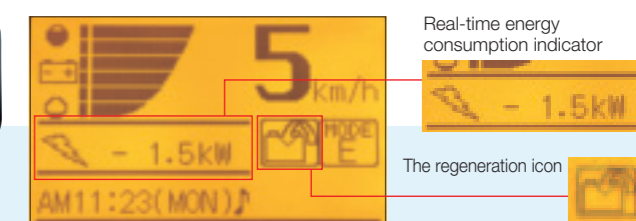
Complementing the five regenerative functions offered by the BX Series, the following features help to extend operating hours.

- **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.



## Real-time Energy Consumption Indicator NEW

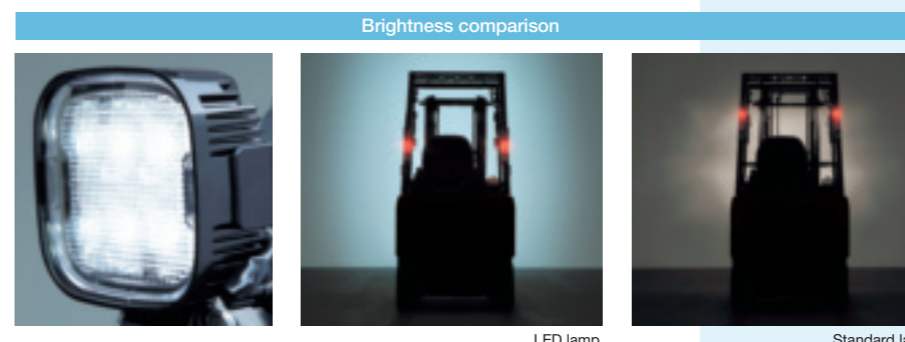
The BX Series is equipped with an indicator that displays in real-time the amount of energy being consumed during traveling and lifting operations. The regeneration icon is also displayed during regenerative functions.



Warning: Do not look continuously at the indicator while operating the forklift.

## LED Headlamps / LED Rear Operation Lamp (option) NEW

LED headlamps and LED rear operation lamp are designed for brightness, energy savings, and long life.



Brightness comparison

LED lamp

Standard lamp

- Point 01** A diffusing lens helps widen the path of light, enhancing visibility in operations where lighting is poor.
- Point 02** Approximately 75X longer operating life (30,000 hours) when compared to standard lamps.
- Point 03** To help reduce maintenance costs, only the outer lens needs to be replaced if damaged.

# 04 Reassuring Safety

A broad range of safety features help protect the operator and those in the surrounding environment for greater confidence.



## Restraint Seat with Suspension

Offering ample suspension capacity, this 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.

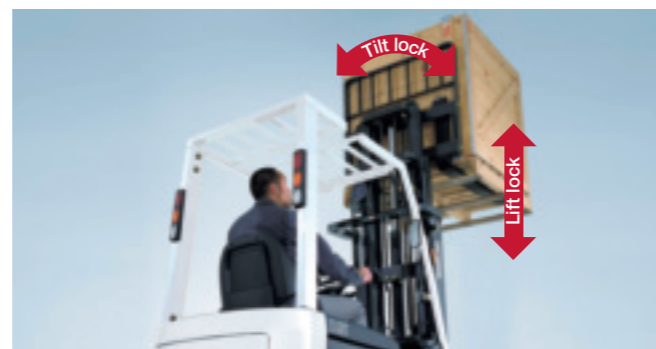
\* There is a three-second delay before the warning buzzer activates.



## 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.

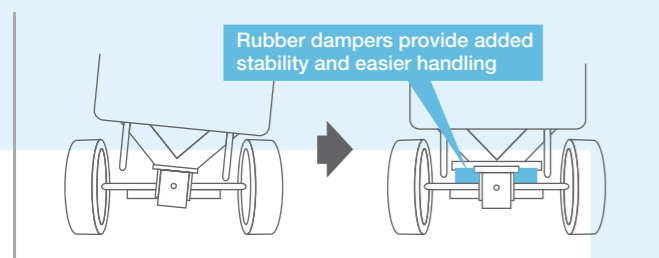
\* There is a three-second delay before the Mast Lock System activates.



## 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.



## PIN-code Access

A standard four-digit PIN access system reduces unauthorized forklift usage. Up to five PIN-codes can be registered. It also allows the readout of operating hours and performance modes for each code or operator.



## Pump Cut and Low-voltage Lock

These features inform the operator of remaining battery capacity to prevent over discharging of the battery.

- 1 The LCD monitor displays the battery capacity icon and the "CHARGE IMMEDIATELY" indication.
- 2 Ten minutes after the first indication, a second indication will be displayed along with a buzzer alarm to notify the operator. Lifting operations will also be terminated via a pump cut.
- 3 If an operator continues to use the forklift and battery voltage reaches the preset limit, the forklift will automatically stop traveling and lifting operations to protect the battery from serious damage.

## 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	J1B1L15U	J1B1L18U/FU	T1B2L20U	T1B2L25U/FU	MCJ1B1L15U/18U	MCT1B2L20U/25U	-
	High-capacity model	J1B1R15U	J1B1R18U	T1B2R20U	T1B2R25U	-	-	-	
	Long-wheelbase model	(JG1B1L15U)	(JG1B1L18U)	(TG1B2L20U)	(TG1B2L25U)	-	-	MCTG1B2L30U	
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				
	Double control lever				
Tires	Rib-lug tire				
	Pneumatic-type solid tire				
	Double tire				
	Cushion tire				
	Wide tread				
Others		LCD, restraint seat with suspension, headlamps (without guard), floor mat		LCD, restraint seat with suspension, headlamps (with guard)	