

**MAIN SPECIFICATIONS**

Model (Pneumatic Tyres)		BX-15		BX-18		BX-20		BX-25	
Load capacity	kg	1500	1500	1750	1750	2000	2000	2500	2500
Load centre	mm	500	500	500	500	500	500	500	500
Wheelbase	mm	1270	1450	1270	1450	1450	1595	1450	1595
Overall width	mm	1120	1120	1120	1120	1165	1165	1165	1165
Turning radius	mm	1750	1970	1780	1970	1960	2140	2000	2140
Length to fork face	mm	2030	2220	2075	2220	2260	2445	2325	2445

Model (Pneumatic Tyres)		BX-15		BX-18		BX-20		BX-25	
Battery capacity* (std)	V/Ah	48/485	48/485	48/485	48/485	48/565	48/565	48/565	48/565
Battery capacity* (high)	V/Ah	48/545	48/545	48/545	48/545	48/700	48/700	48/700	48/700
Battery capacity* (lwb)	V/Ah	48/700	48/700	48/700	48/700	48/865	48/865	48/865	48/865
Electric motor (driving)	kW x unit	9.0 x 1	9.0 x 1	9.0 x 1	9.0 x 1	12.0 x 1	12.0 x 1	12.0 x 1	12.0 x 1
Electric motor (lifting)	kW	11.0	11.0	11.0	11.0	13.5	13.5	13.5	13.5

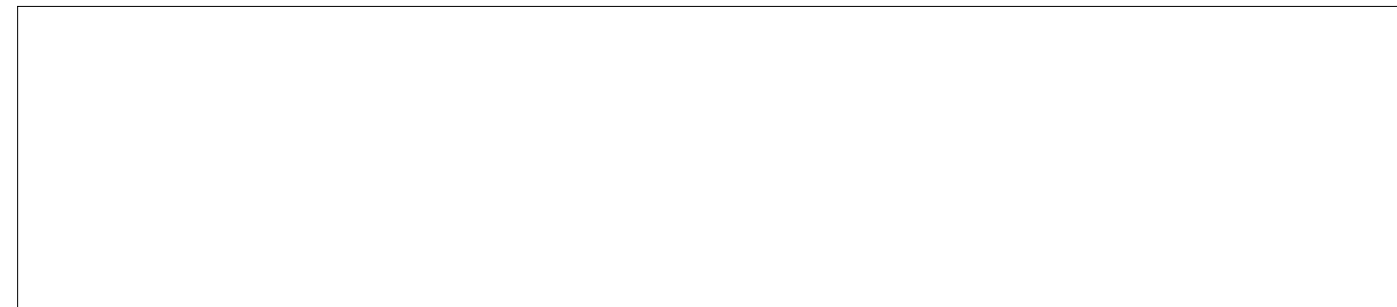
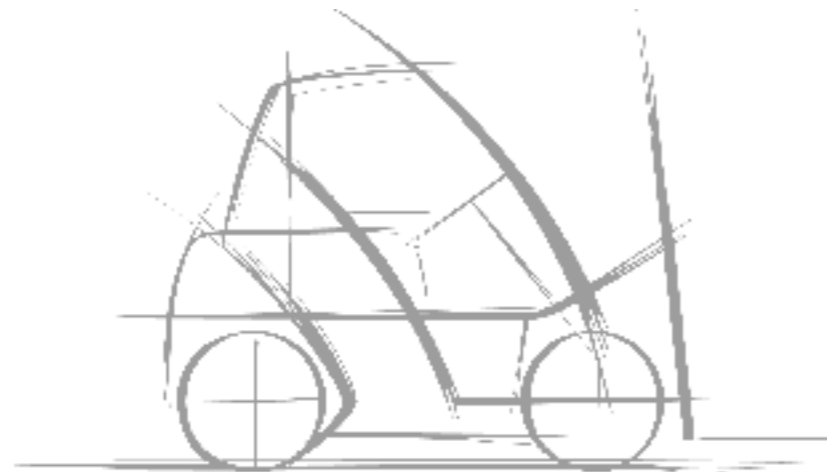
lwb = long wheelbase

\* Larger battery capacities on request

Model (Cushion Tyres)		BX-15		BX-18		BX-20		BX-25		BX-30	
Load capacity	kg	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000
Load centre	mm	500	500	500	500	500	500	500	500	500	500
Wheelbase	mm	1220	1220	1220	1220	1260	1260	1260	1260	1360	1360
Overall width	mm	970	970	970	970	1070	1070	1070	1070	1100	1100
Turning radius	mm	1800	1800	1800	1800	1845	1845	1875	1875	2060	2060
Length to fork face	mm	2045	2045	2050	2050	2155	2155	2190	2190	2365	2365

Model (Cushion Tyres)		BX-15		BX-18		BX-20		BX-25		BX-30	
Battery capacity* (std)	V/Ah	48/450	48/450	48/450	48/450	48/680	48/680	48/680	48/680	48/850	48/850
Battery capacity* (high)	V/Ah	48/600	48/600	48/600	48/600	48/800	48/800	48/800	48/800	48/1000	48/1000
Electric motor (driving)	kW x unit	9.0 x 1	9.0 x 1	9.0 x 1	9.0 x 1	12.0 x 1	12.0 x 1	12.0 x 1	12.0 x 1	12.0 x 1	12.0 x 1
Electric motor (lifting)	kW	11.0	11.0	11.0	11.0	13.5	13.5	13.5	13.5	13.5	13.5

\* Larger battery capacities on request



**NISSAN FORKLIFT EUROPE B.V.**

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# BX Series

1.5 - 3.0 Tonne – Cushion Models  
1.5 - 2.5 Tonne – Pneumatic Models





# The proven leader

Nissan Forklift has found a perfect balance for the owner, the operator, and the environment in the new BX Series. Ready to take centre stage in the future of load handling operations, the BX Series features a wide variety of advanced features, such as a fully AC-powered system. Per-charge operating hours are remarkably high, as well as power and travel speeds, resulting in an exceptionally productive forklift. And it's not just the basic performance of these battery-powered forklifts that has lifted them to the top of the market. Every aspect of its engineering and design – including the features available to its users – has been carefully researched.

Nissan's new BX Series ... a progressive evolution of the electric-powered forklift.





### Multifunction LCD display

The large, crystal clear LCD display allows any operator to instantly check on all aspects of vehicle status, such as speed, battery state of charge and performance mode settings, as well as the various indicators and warning lamps.



### Adjustable Steering Wheel and Optional Auto Tilt Levelling System\*

A small, tilt-adjustable steering wheel helps provide the ideal driving position while improving forward visibility. The forks can be automatic tilted horizontally by simply pressing a button on the hydraulic control lever. This feature, available on two stage masts, allows the operator to position the forks with greater ease and accuracy to handle loads.

\* 2W masts only

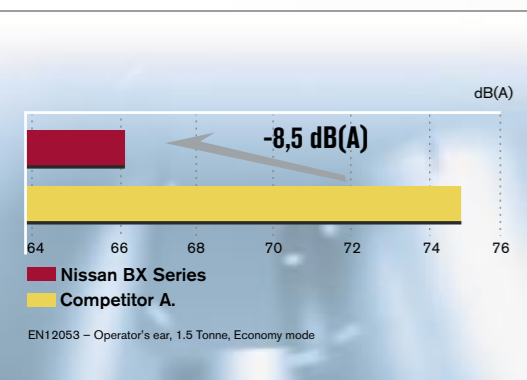


### Automobile-style Lever

The Nissan automotive influence is reflected in easy-to-operate light and turn-signal levers. Also, the new short-stroke, electric forward/reverse lever swings through a shorter arc to reduce the effort needed for this oft-repeated function.

### Ultra-Low Noise Levels

The BX Series' low noise levels are of great influence to the driver's well being. Not only does this assist with significantly reducing operator fatigue, it is also beneficial for those in the surrounding environment.



## Operating ease

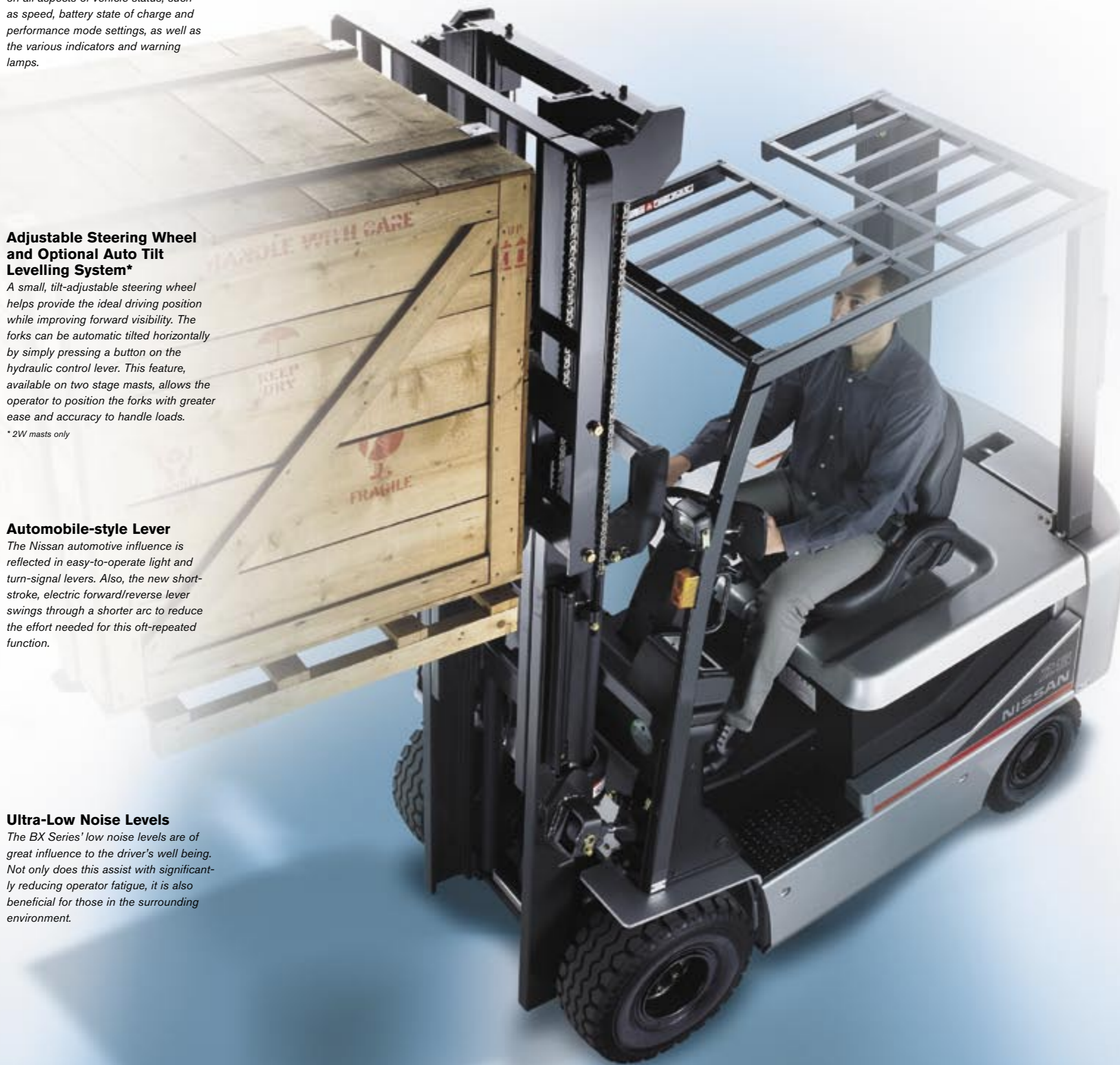
When it came to the planning and design of Nissan's BX Series workspace, thoughtful attention was given to the operators' well being. Despite the many activities that occur throughout the operator's shift, concentration on his job is critical. For that reason, a stress-free environment supported by the BX Series' low noise levels is of absolute importance.

With its hydraulic powered steering the BX Series is highly responsive to the operator's commands and making the truck a truly manoeuvrable performer. This is even more enhanced by the automatic deceleration which is activated when engaging the opposite travel direction, or when the driver lifts his foot from the accelerator pedal. Further driving ease is provided by the optional Steering Synchroniser. When the truck is returned to the straight driving direction after turning, the knob will return to its original position.

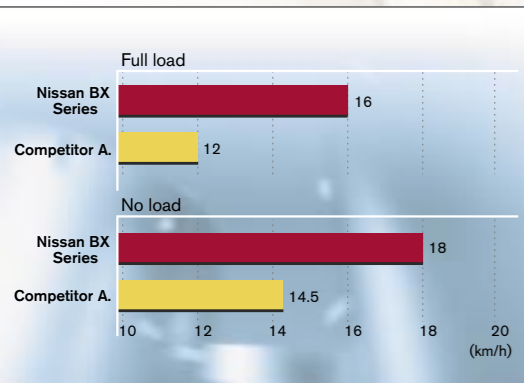
The Soft Landing System ensures that the forks will smoothly decelerate just before reaching the ground. Even if the operator keeps the control lever completely down.

Regulations are becoming more and more stringent. In customary Nissan fashion, the BX Series is already one step ahead with its optional Smooth Run System. The system absorbs the shocks that are transmitted from the road during driving, making both handling and travelling even smoother.

Nissan's BX Series ... creating a relaxed and comfortable environment for your operators.







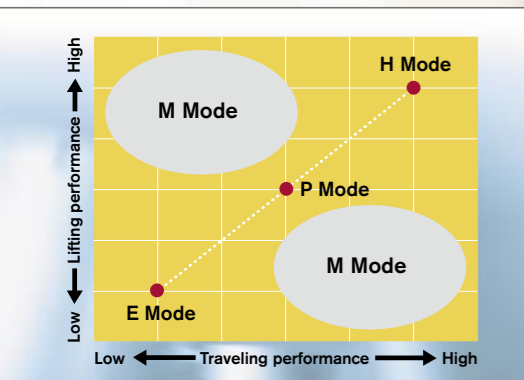
### High Travelling Speed

A significantly high travelling speed is what you can expect thanks to the AC TECH control and a large motor inside every BX.



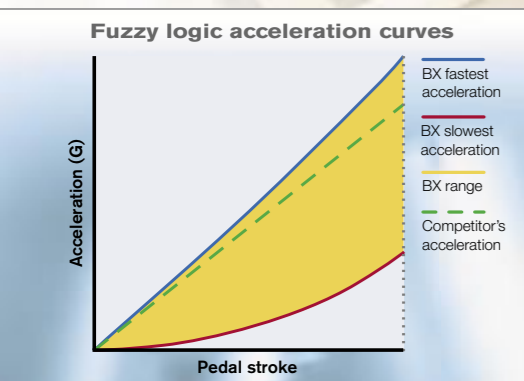
### Single Lever Control

The optional exclusive Nissan Single Lever Control enables simultaneous lifting and tilting functions for greater productivity. (Double control levers are available as standard.)



### 3+1 Performance Modes

Three preset performance modes can be chosen to adjust travelling and lifting performance to suit different requirements. Economy mode (E) prioritizes operating hours; Power mode (P) is for normal use; and the High-power mode (H) is for ensuring that tasks are completed in the shortest time. In addition, the operator can choose manual mode (M) for customized performance parameters.



### Fuzzy Logic Acceleration Control

Nissan Forklifts' unique feature enables the truck to respond according to the speed with which the pedal is depressed, allowing more accurate and precise control by the driver.



## Perfect performance

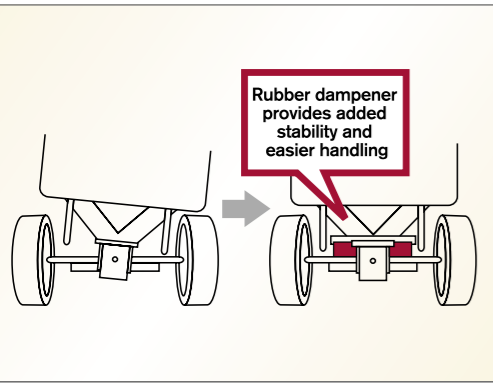
It is a promise we can keep. The BX Series provides uncompromising speed and performance thanks to its robust drive system that includes an AC-powered drive motor, and a high efficiency controller. Using a four-digit Personal Identification Number (PIN), you can choose from three preset performance modes (economy/power/high) and it is even possible to select the performance settings yourself. Regardless of which mode is chosen, the BX Series can be fully optimised to achieve long operating hours and low energy consumption.

For instance the BX Series' hydraulic powered steering only consumes energy at demand. The AC TECH system continuously determines the exact required amount of energy required, and is dependent on the command given. Additionally, if the truck is not operated within preset length of time, the Auto Power Off function switches off the power automatically. Along with its 5-mode regenerative braking, automatic deceleration and other energy saving features the available working hours from each battery charge are increased.

Finally perfect performance means precise truck handling. Fuzzy Logic Acceleration Control, hydraulic powered steering, and Nissan's Single Lever Control provide perfect truck control and deliver the optimal productivity you have been looking for.







### Cushioned Stability Control\*

Drive with confidence around every turn. The rubber dampener used in Nissan's exclusive Cushioned Stability Control system provides outstanding lateral stability. This feature, standard on every BX Series, is fully maintenance free, thereby keeping cost low.

*\*This system does not completely eliminate the possibility of the forklift tipping over.*



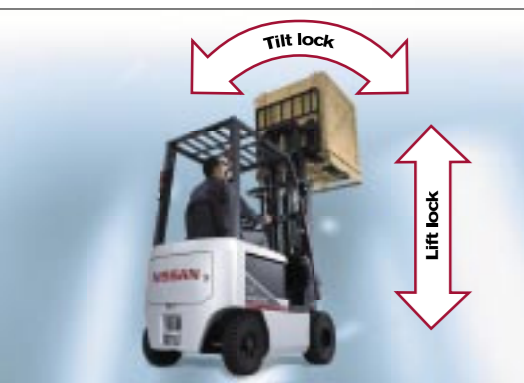
### Rollback Control

To prevent the truck from rolling down a slope too fast, the Nissan BX Series provides a unique Rollback Control device, ensuring that the truck can reverse only slowly and at a constant speed.



### Easy access

The BX Series offers operators a wide entry step and generous foot and leg room for easy access to its spacious cabin. For instance the area between the pedals and seat support is free from obstructions that can hamper leg movement. The low floor height also makes it easier to enter or exit.



### Mast Lock System

This standard feature on all models helps to prevent unsafe situations involving the mast and forks by automatically locking mast and fork movement when the operator leaves the seat. At the moment the operator sits down, hydraulic functions are available to the operator once again.



## Securing your safety

An efficient, comfortable workplace doesn't mean caution should take a back seat. The BX Series offers a large package of standard features to help provide operational boundaries for your drivers. Safety is ensured by the special Nissan Forklift RRS (Risk Reduction System) which incorporates an extensive package of features:

- Excellent all round visibility
- Cushioned Stability Control
- Mast Lock System
- Lift Control
- Rollback Control
- Inhibitor Control
- Foot Parking Brake
- Warning buzzers

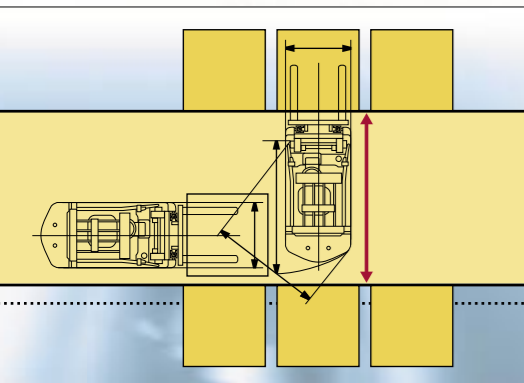
Unintentional mast and fork movement is prevented when the operator exits the truck. The standard Mast Lock System is automatically triggered by a seat switch, whereupon its lifting and tilting operations are locked.

The BX Series optimum safety precautions are further enhanced by Nissan's Lift Control. This system limits the lift speed when a forklift is travelling fast. Furthermore, a controlled roll-back device ensures the truck will only reverse slowly at constant speed if the accelerator pedal is released while on a gradient.

These and other special Nissan Forklift features provide a safe forklift, that is still easy to operate.







### Right Angle Stacking aisle

The 2.5-ton cushion models have an overall width of 1070mm, overall length to the fork face of 2190mm, and a minimum required right-angle stacking aisle width of just 3300mm\*.

These impressive dimensions ensure that complex tasks in narrow spaces are simpler, speedier, and accomplished more efficiently.

\*Pallets (L x W): 800 x 1200 mm (VDI 2198)

### Five Regenerative Modes

Excess energy is used to charge the battery in a variety of different operations.

Five different generative modes contribute to improve energy efficiency and longer operating hours per battery charge.

- 1 Switchback regeneration
- 2 Footbrake regeneration
- 3 Accelerator-off regeneration
- 4 Rollback Control regeneration
- 5 Lifting/lowering regeneration

### AC TECH

The new BX Series features a 100% AC powered system for drive and hydraulic pump motors, combined with Nissan's state-of-the-art AC TECH controller. The result is outstanding performance at higher efficiency levels, while achieving significantly lower costs over the life of the truck.



### High Lifting Speed

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

\* Lifting speed (full load): 435mm/s (1.5t model).



## Designed to fit your needs

For almost every type of operation, there is a BX Series designed to fit your needs. With 13 models ranging from 1.5 to 3.0 tonnes\*, the Nissan BX Series provides custom fit for a variety of operations, including industry or warehousing environments. All versions are available in cushion\* and pneumatic tyre versions.

The cushion BX models are very compact which make them ideally suited for indoor operations such as block stacking and working in surroundings where space is at a premium. Their superb mobility and robust design offer comparable performance to their pneumatic tyre counterparts.

To keep your warehouse operations running smoothly, cost effective maintenance is an absolute requirement. On-board diagnostics run via the BX Series' Built-In-Test-Equipment (BITE) module which is integrated into its AC TECH controller.

With clear communication through the LCD panel readout and keypad, operators and service technicians can intuitively identify with and respond to specific truck parameters according to the needs of their job.

Not all applications and needs are the same. So, select the BX Series' "High" performance mode for fast, high cycle operations, or choose "Economy" to achieve maximum battery efficiencies. Regardless of a chosen preset mode, the BX Series can also be fully adapted to each specific requirement. Five unique profiles can be programmed to precisely adjust the truck's performance in order to match operator experience and the load or handling conditions.

Combined with its energy saving features, reliable design and operator ease, the BX Series offers a perfect balance - ideal for owners, the operators and those in the surrounding environment as well.

\*3.0 tonne: cushion version only.

