

**ELECTRIC POWERED FORKLIFT**

**8FBN 1.5 to 3.0 ton**

# 8FBN SERIES



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Our concern : QUALITY TRUST BENEFIT





# ADVANCED FEATURES BRING YOU HIGH PRODUCTIVITY

## ■ Efficient Systems Leading to Longer Operating Time

Improved energy efficiency and easy battery replacement contribute to long operation.

## ■ Outstanding Comfort and Visibility

Easy entry and exit, a comfortable operating posture, and outstanding visibility support easy and efficient operation.

## ■ Stable and Smooth Operation

The High-mount Rear Axle, Anti-roll Back, SAS-E, and other features, provide you with stable and smooth travel and load-handling operation.

## ■ Diverse Options to Meet Your Needs

You can choose from such diverse options as the Height Selector, Mini Lever and Shock Sensor to suit your operation.

## ■ Environmental Consciousness

The 8FB Series contributes to environmental friendliness through zero emissions and a hexavalent chrome-free design.





# READY FOR OPERATION WITH EFFICIENT SYSTEMS

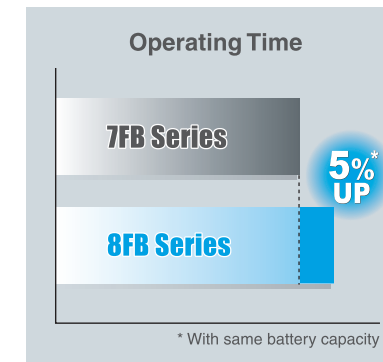
The 8FB Series achieves longer operating time by minimizing energy loss. What's more, options that enable easy battery replacement support longer operating time. Also equipped with features that contribute to longer battery life, the 8FB Series helps maximize the ease and efficiency of your operation.



Features and equipment may vary depending on market.

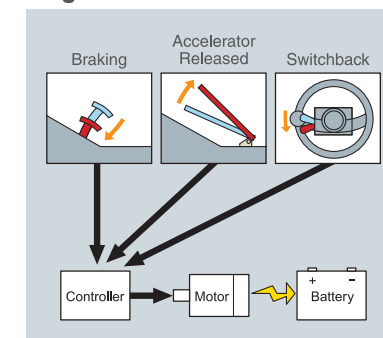
## 8FB SERIES

### High-efficiency Systems



With high-efficiency systems, the 8FB Series achieves longer operating time. It contributes to energy savings and environmentally friendly operation.

### Regenerative Brake with Pedal-stroke Detection



The regenerative braking system operates during braking, or switchback, and when the accelerator is released. For braking, the regenerative braking force is controlled according to the pedal depression stroke. This achieves high-efficiency energy recovery.

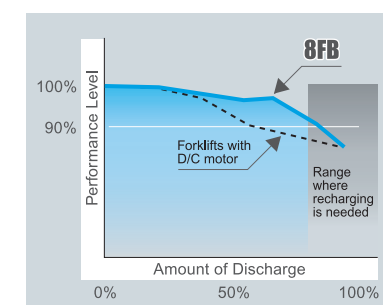
### AC Power System

The AC motors use high-efficiency inverters and achieve smooth control and low maintenance costs.



\* The picture shows the selection screen for the Multifunction Display (option). The standard display offers three power-selection modes.

**Power-select Function**  
Both travel and load-handling performance can be customized.\* This provides an optimal balance of performance and operating time.



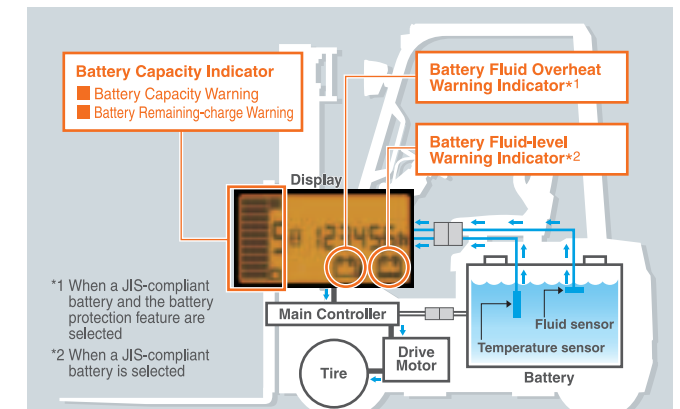
**Power-keep Function**  
This feature boosts load-handling and travel performance as the battery charge is low. You can continue efficient operation.

Note: Not available in the H mode

### Auto Power-off Feature

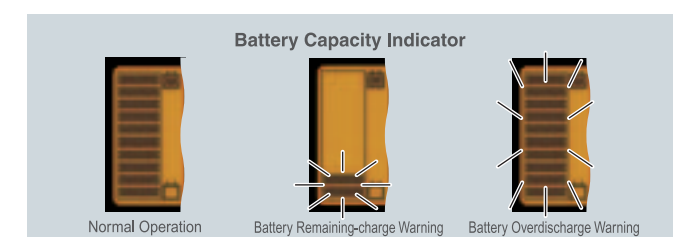
This feature supports energy saving by automatically switching off the power within a certain time after the operator leaves the forklift.

### Features to Extend Battery Life



\*1 When a JIS-compliant battery and the battery protection feature are selected

\*2 When a JIS-compliant battery is selected



**Battery Capacity Warning and Battery Overdischarge Warning**  
When the battery-charge level becomes low, the capacity indicator flashes to warn the operator. If the forklift continues to be used at a low battery-charge level, the overdischarge warning flashes and the load-handling performance is limited.

### Battery Fluid-level Warning Indicator

This function warns the operator of a battery-fluid shortage by a visual indicator and an audible alarm. It helps prevent forklift usage in a state that can shorten battery life.

Note: Available when a JIS-compliant battery is selected

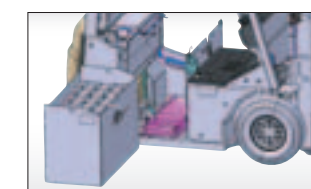
### Battery Protection Feature **OPT**

When the battery fluid level is low or the fluid temperature is high, this warns the operator by a visual indicator and an audible alarm, and also restricts travel performance. This helps prevent battery degradation and ensure a long life.

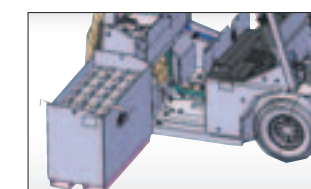
Note: Available when a JIS-compliant battery is selected

### Easy Battery Replacement

Battery roll-out and side-out systems make it possible to change the battery with ease, helping to accommodate longer operation.



**Battery Roll-out **OPT****  
Replacement of the battery can be accomplished by mounting a roller bed on the frame and extracting the battery by sliding it out from the right side of the truck.



**Battery Side-out **OPT****  
The battery case with fork pockets can be taken out from the right side of the truck by using a forklift.



## Easy Entry and Exit



## Comfortable Operation



## Outstanding Visibility

Equipped with a lattice-design overhead guard, angled lower stay for the backrest, small-diameter steering wheel, and optimally positioned display, the 8FB Series achieves excellent visibility of the fork tips.



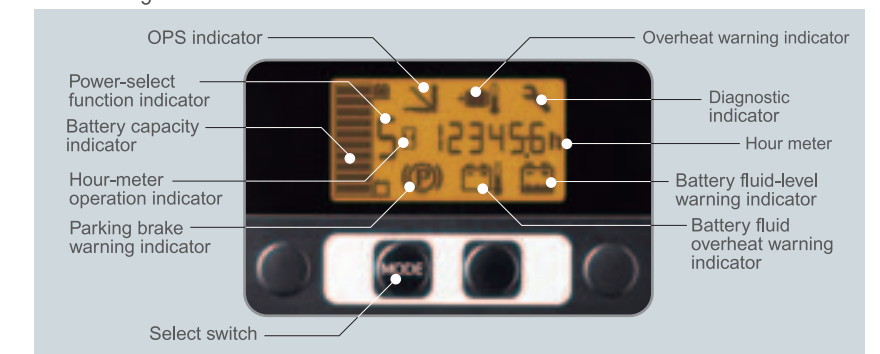
# A TRADITION OF COMFORTABLE OPERATION

Easy entry and exit, a comfortable operating posture, and outstanding visibility – the operator-friendly design of the 8FB Series provides you with comfortable operation.

## Display

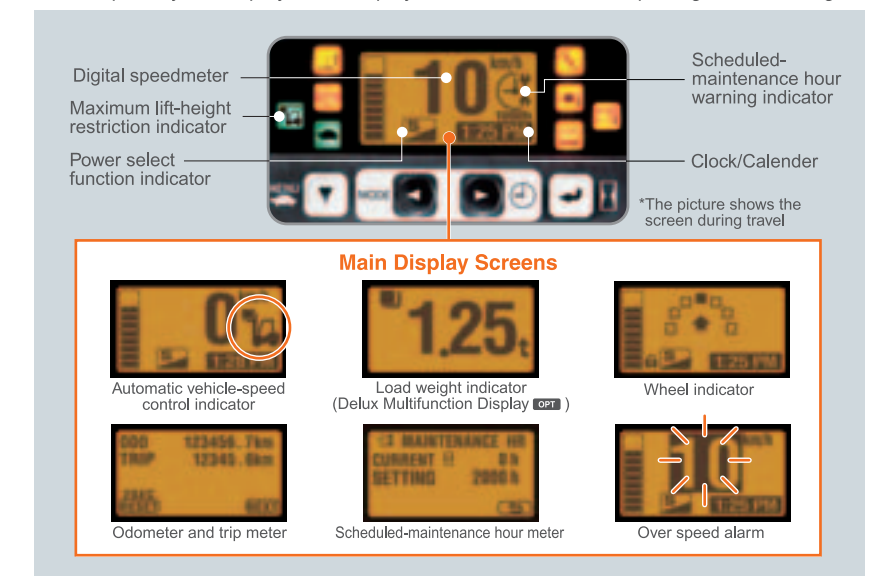
### Standard Display

The indicators and warning lights can help keep the operator informed of the forklift's status at a glance.



### Multifunction Display OPT

The multifunction display shows information on forklift status with LED warning lights and a liquid-crystal display. This display can also be used for inputting forklift settings.



## Water Resistance (IPX4)

Through its structure and layout of the drive motor, load-handling motor, and controller compartment, the 8FB Series achieves high water-resistant performance. Support for IPX4\* allows use of the 8FB Series at a wide range of worksites.



Features and equipment may vary depending on market.

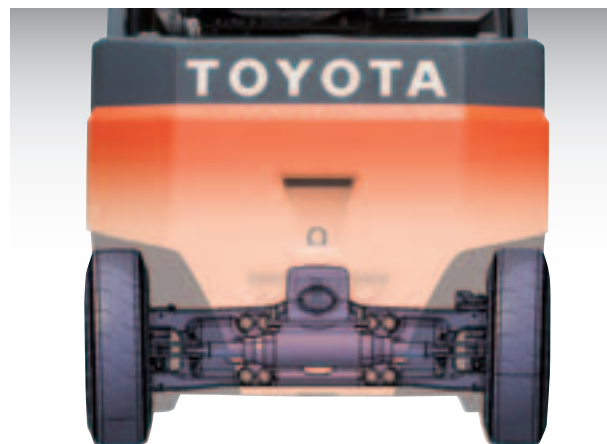
\* According to internal research



# OUTSTANDING STABILITY WITH SMOOTH OPERATION

Equipped with such features as a High-mount Rear Axle, Anti-rollback, and SAS- $\varepsilon$ , the 8FB Series provides you with stable and smooth operation.

## High-mount Rear Axle



The 8FB Series uses a high-mount rear axle that positions the point of rear-axle support closer to the truck's center of gravity. This reduces the moment when turning, helping to achieve stable turns.

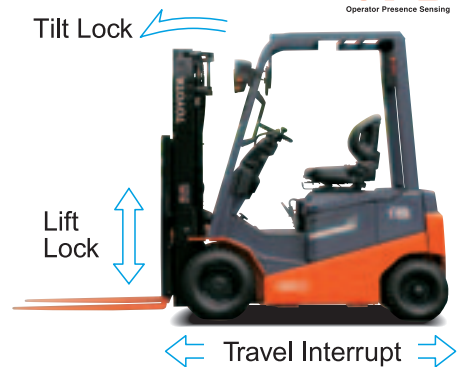


Features and equipment may vary depending on market.

# 8FB SERIES

## Operator Presence Sensing System (OPS)

OPS  
Operator Presence Sensing



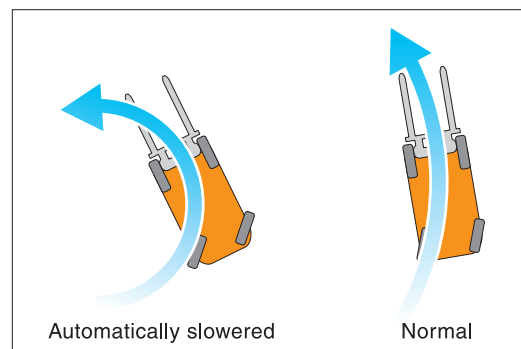
This system uses a switch sensor built into the operator's seat to detect the presence of the operator. If the operator is not in the normal operating position, travel power is interrupted and load-handling operations are stopped.

Note: OPS does not operate the brakes. Always set the parking brake before leaving the forklift.

## SAS (System of Active Stability)- $\varepsilon$ OPT

SAS- $\varepsilon$   
System of Active Stability

### Stable Travel



#### Automatic Turn-speed Control

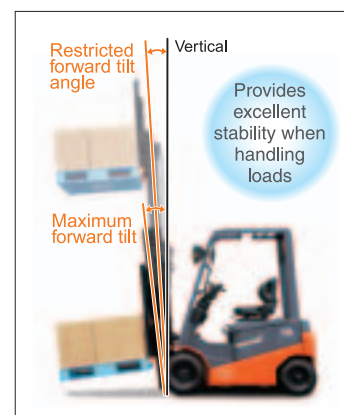
This controls speed according to the lift height, load weight, and turning radius, providing stable turning matched to the state of operation.

#### Automatic Vehicle-speed Control

This controls vehicle speed as well as acceleration and deceleration according to lift height and load weight, helping to ensure stable travel and prevent load spills.

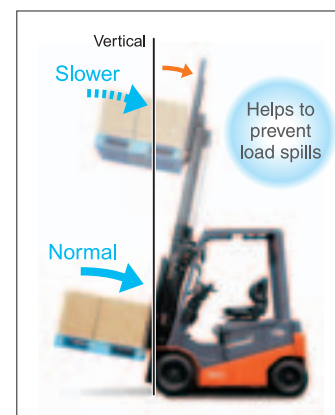
### Smooth Load-handling Operations

#### Active Mast Function Controller



#### Active Mast Front-tilt Angle Control

The angle of forward mast tilt is automatically controlled to match the lift height and load weight, helping to prevent dropped loads or tip-overs.



#### Active Mast Tilt Speed Control

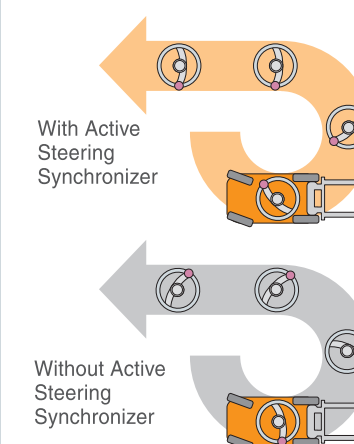
Automatic control of mast tilt speed at high mast heights helps to prevent load spills.



#### Automatic Fork-leveling Control

Pressing a switch during forward or rear tilt automatically stops the forks at a level position. This makes load-handling operations easier, helping to achieve high productivity.

### Smooth Travel



#### Active Steering Synchronizer

This feature ensures that the angle of the steering wheel corresponds to the angle of the rear steered wheels.

## Anti-rollback



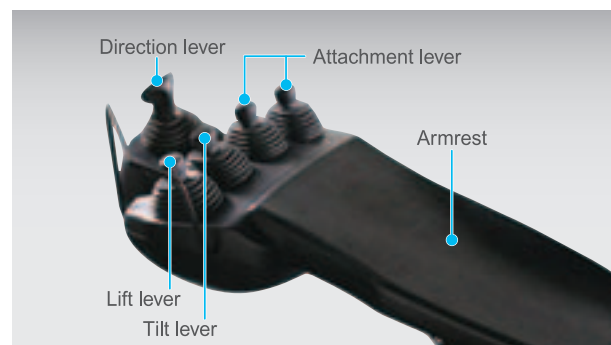
When the accelerator or brake pedal is released while stopped on a grade, the forklift stops and then descends at a constant speed. This helps to ensure operation on slopes.



# DIVERSE OPTIONS FOR DIVERSE NEEDS

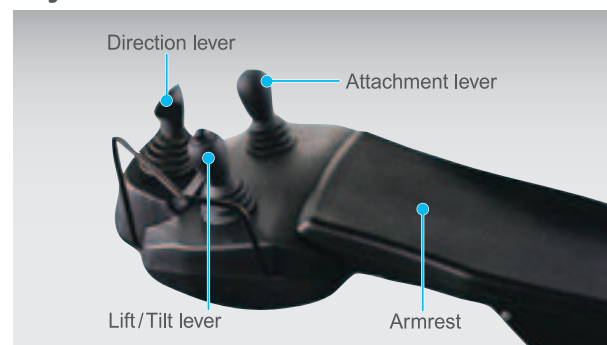
A Height Selector that simplifies load-handling operations, a selection of operating levers, systems that facilitate vehicle management – a full array of options is available to meet worksite needs.

## Mini Lever OPT



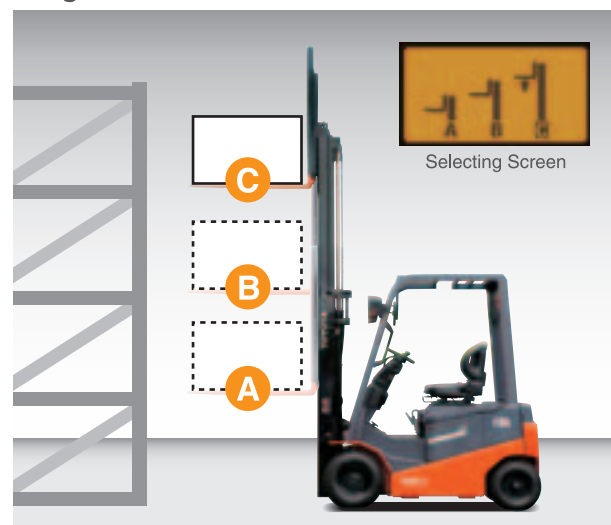
The Mini Lever allows smooth operation. The design with armrest also helps to reduce operator's fatigue.

## Joystick OPT



Armrest-equipped Joystick is optionally available. This makes it possible to perform lift and tilt simultaneously, using a single joystick.

## Height Selector OPT



### Automatic Lift-height Positioning

This feature stops the forks at a preset position by detecting the fork height with a reel sensor. With the single touch of a button, it makes load-handling operations simple and easy. The lift height can be set at any of three different positions matched to your worksite.

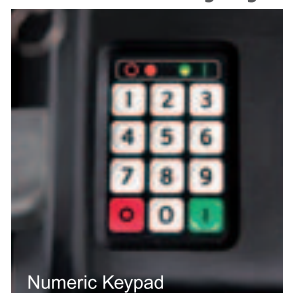


Lift-height Reel Sensor

### Maximum Lift-height Restriction

This feature prevents the forks from rising beyond a preset lift height.

## PIN-code Entry System OPT



Numeric Keypad

A registered Personal Identification Number (PIN) code must be entered to start the forklift, preventing use by unauthorized persons (100 PIN codes can be registered), up to ten sets of vehicle settings can be registered, allowing vehicle functioning to be tailored to the preferred performance settings for different operators.

## Shock Sensor OPT



This detects collision impact on the forklift and warns by visual indicator and sound. (Warnings can be cleared only by a manager.) The time and date of occurrence are recorded by the display. This option discourages overly harsh operation and helps reduce maintenance costs.

# BUILT WITH THE ENVIRONMENT IN MIND

In addition to zero exhaust emissions – something only electric forklifts can promise – this series has a hexavalent chrome-free design. The 8FB Series continues the Toyota concept of environmental friendliness.

**0**

**Zero Exhaust Emissions**



**Hexavalent Chrome-free**

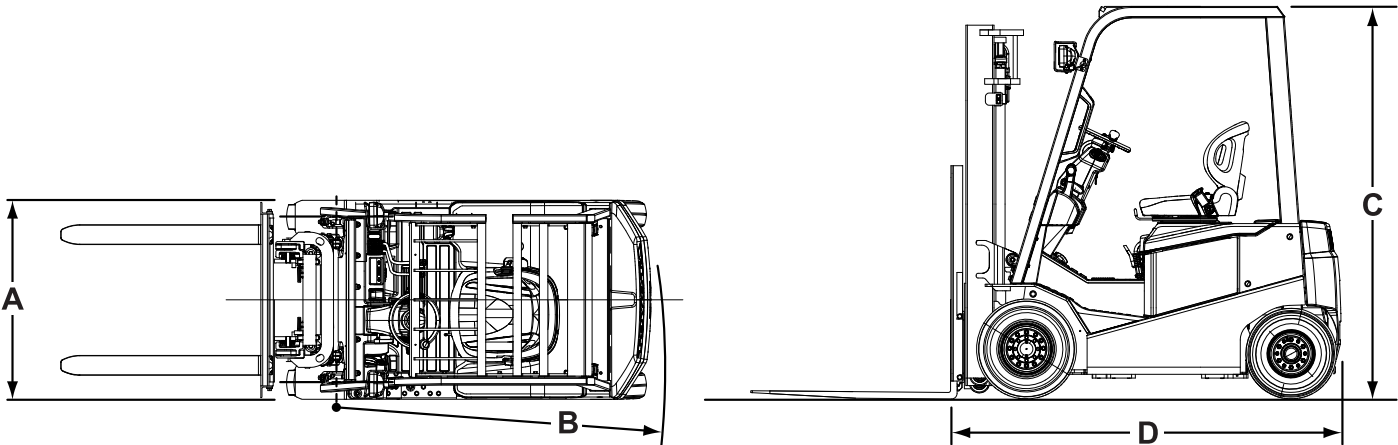


MAIN SPECIFICATIONS

Model			8FBN15	8FBN18	8FBN20	8FBN25	8FBN30
Load Capacity	kg		1500	1750	2000	2500	3000
Load Center	mm		500	500	500	500	500
Overall Width	A	mm	1060	1065	1180	1180	1235
Turning Radius (outside)	B	mm	1770	1780	1980	2000	2210
Overhead Guard Height	C	mm	2085	2095	2085	2085	2255
Length to Fork Face	D	mm	2080	2115	2250	2325	2485

BATTERY AND MOTOR SPECIFICATIONS

Model			8FBN15	8FBN18	8FBN20	8FBN25	8FBN30
Voltage/Capacity (5-hour ratings)	Min.	V/Ah	48/390	48/390	48/470	48/565	80/370
	Max.	V/Ah	48/565	48/565	48/725	48/725	80/480
Electric Motors	Drive	kW	7.6	7.6	10.7	10.7	11.9
	Load Handling / Power Steering	kW	9.5	9.5	12.2	12.2	14.4



The data in this brochure was determined based on our standard testing conditions. Operating performance may vary depending on the actual specifications and condition of the vehicle, as well as the conditions of the operating area.  
Due to photography and printing, the color of actual vehicle may vary from this brochure. Some photos have been computer-enhanced.  
Availability and specifications are determined by market and are subject to change without notice.  
Safe forklift operation is achieved by proper operator training and proper worksite rules. Please consult your Toyota representative regarding forklift selection and operator training.  
Please consult your Toyota representative for details.

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