

8FBR SERIES



WIN-EQUIPMENT
WE'RE INDUSTRIAL EQUIPMENT

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High Performance and Big Productivity in a Compact Body.

How long reach truck can be used, how safe reach truck can be... Our challenge to create innovative truck delivers this model, 8FBR series.

Toyota's advanced technology providing long time, cost-effective and safe operation is mounted in new designed compact body.

8FBR SERIES

Toyota's Leading Technology is within Your Reach



Long Operating Time and Long Battery Life for Your Long-lasting Business.



Long Operating Time & Long Battery Life

Long Operating Time

New highly efficient AC motors and motor drivers, regenerative braking that returns braking energy to the battery, and other design features achieve long operating time.

1.5t operating time	9h 30min	48V 280AH/5h
2.5t operating time	7h 35min	48V 320AH/5h
3.0t operating time	11h 30min	48V 445AH/5h

Notes: Operating time is based on Toyota operating cycle at S mode assumed that the forklift is actually operated in 55% of total working hours. Operating time may vary according to customer usage conditions.

Previous Model
7FBR

8h40min

New Series
8FBR

9h30min

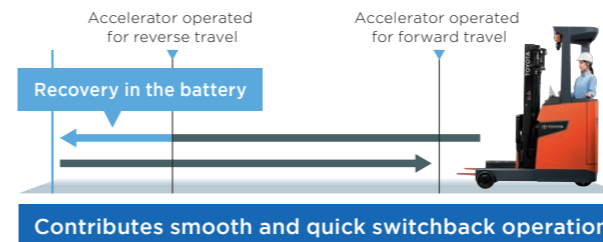
Note: 1.5t(S mode).

Approx. **10% Longer Operating Time**

Regenerative Systems

During switchback and braking by accelerator or foot pedal release, the energy is recovered in the battery for long operating time.

Switchback Regeneration



Note: The regenerative braking level is adjustable.

Accelerator-released Regeneration



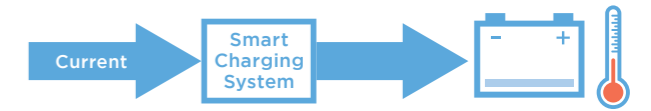
Note: The regenerative braking level is adjustable.

Smart Charging System

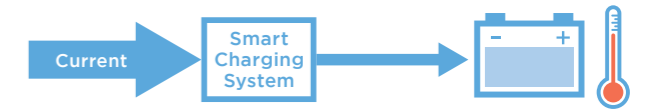
NEW Option

*Only for on-truck charger

The motors and motor drivers are used to control the charging current according to the battery condition (voltage, fluid temperature, and deterioration state). This lessens battery damage and contributes less battery fluid reduction.



Charging current adjusted according to the state of the battery



Less battery damage

Electricity costs reduced by up to 5%

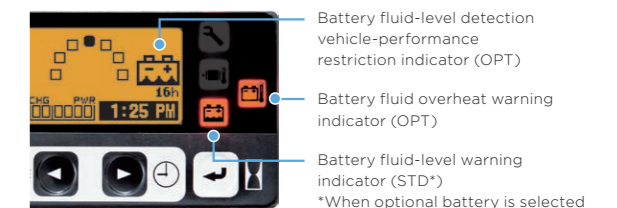
Battery-fluid refilling costs reduced by up to 50%

Note: May vary according to customer's usage conditions.

Battery Protecting Function

Option

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



Auto Power-off Function

The power is automatically switched off after the operator leaves the forklift for a specific period of time, supporting energy saving operation.

Power-keep Function

The load-handling and travel performance are kept as the battery charge gets low, allowing continuing efficient operation.

Power-select Function



Both travel and load-handling performance can be customized. This provides an optimal balance of performance and operating time.

Outstanding Stability during Turns and Load Handling Supports Efficient Work.



Safety

Rear-positioned Headguard Pillar

The headguard pillar located at the rear ensures outstanding forward visibility. This design also contributes to support and protect operator's back.



Load Weight Indicator

When lifting operation is stopped, the load weight is shown on the display. This helps to prevent overload.

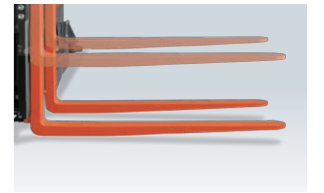


Note: This cannot be used for commercial transactions.

Shockless Landing

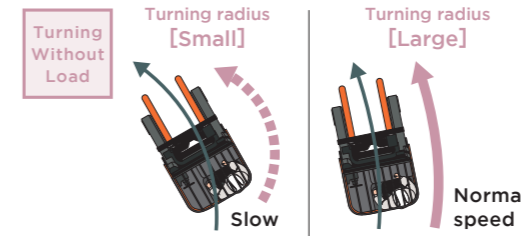
*Only for V, SV and FSV mast.

The speed of fork lowering automatically slows down just before contacting the ground, contributing to reduce the noise.

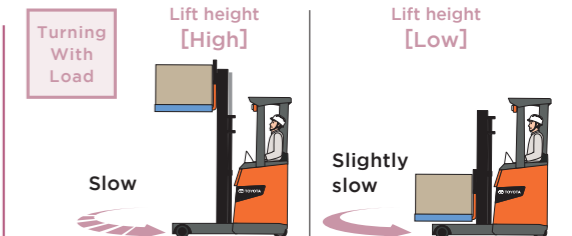


Automatic Turn-speed Control

Turn speed is controlled according to the lift height, load weight, and turning radius, providing stable turning matched to the state of operation.



Vehicle speed adjusted according to turning radius



Vehicle speed adjusted according to turning radius, load weight and lift height.

Suspension Control



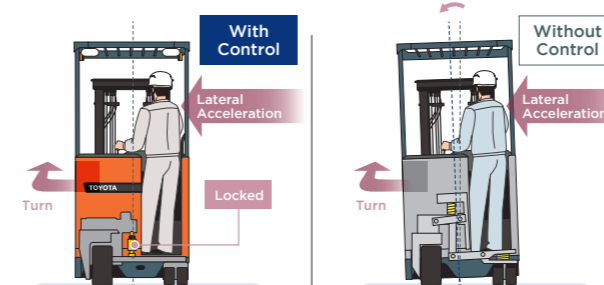
Supports Stable Turning and Load-handling Operations

This helps to prevent front and rear wheels floating by locking the suspension as required, contributing to provide stability during traveling and load-handling operations, and boost productivity.

Suspension Control

During Turns

Swing of the suspension during turns is locked as necessary, contributing to prevent front wheel from floating.



Ensured stability during load handling

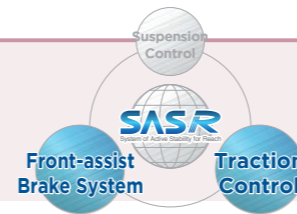
During Load Handling at High Lift Height

At lift height over 3 meters, this locks the suspension, achieving outstanding longitudinal and lateral stability. Even at low lift height, this locks the suspension during reach-out.



No capacity reduction at lift height of 4m

Smooth Start-off, Travel, and Braking, Stress Free Operation in Your Hand.

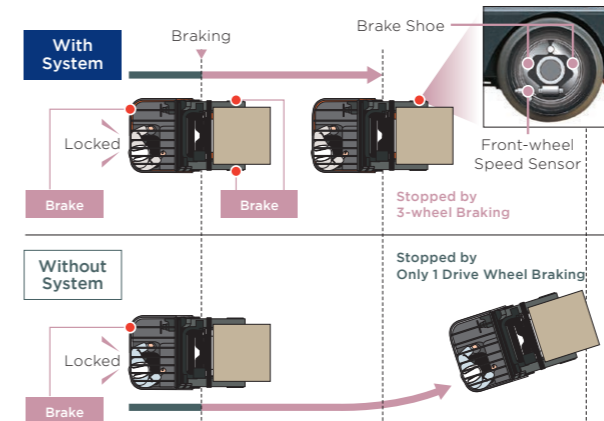
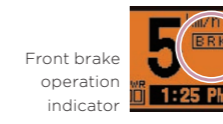


Stable Brake, Start-off and Switchback

SAS-R makes stable and short distance braking possible. It contributes smooth switchback operation which operated frequently on reach trucks. What's more, it suppresses tire wearing and tire mark on the floor.

Front-assist Brake System

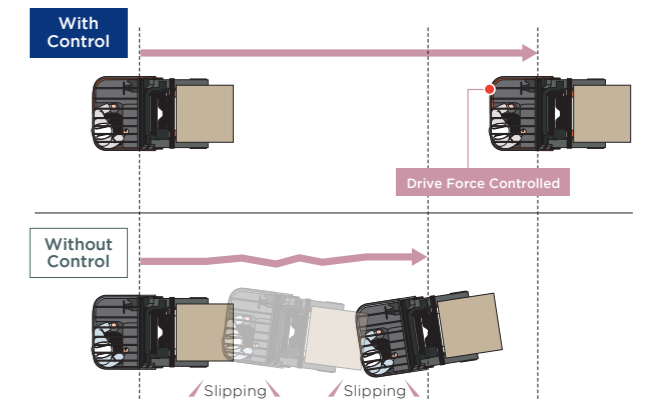
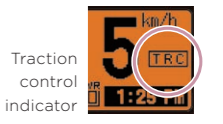
The truck is equipped with front-wheel brakes, which enable stable braking even when the drive wheels lock up.



Stable Braking by the Front and Rear Wheels

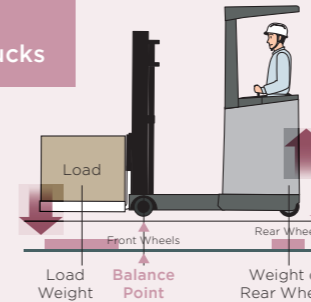
Traction Control

This detects spinning of the rear wheel and controls drive force accordingly. This eliminates the need for fine adjustment of steering and acceleration on slippery surfaces.



Supporting Smooth Start-off by Preventing Spinning of the Drive Wheel

Common Reach Trucks



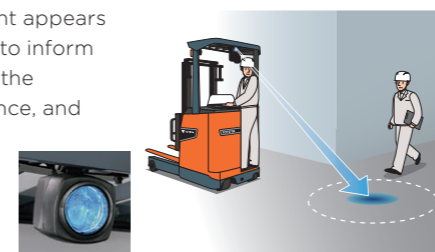
Reach trucks balance the vehicle body with the load, taking the front wheels as the balance point. Therefore when a reach truck travels while carrying a load with reach-out, the pressure against the ground on the rear wheel - the drive tire - is reduced, and spinning of the wheels becomes more likely to occur. It also makes steering and braking less effective.

Low Rear Wheel Pressure Against the Ground → Tire Spinning and Difficulty in Turning and Stopping

LED Blue Light

NEW Option

A blue spot light appears on the ground to inform pedestrians of the forklift's presence, and helps prevent accidents.



Anti-rollback

When the acceleration lever is released on a grade, the forklift stops for a while and then descends at a constant speed. This helps to ensure smooth operation on slopes.



Operator Presence Sensing System (OPS)

OPS

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.



OPS Activated

OPS Indicator

Comfortable Design and Operator-friendly Features for Day-to-day Operations.

250

Floor height
 1 ton series
250 mm
 2 ton series
315 mm



Floor height (1 ton series): 250mm

Easy Operation

Operator's Compartment



Two assist grips, pencil & cup holders and flat top panel support comfortable operation. The rounded configuration helps keep the body inside.



- 1 Back support with integrated assist grip **NEW**
- 2 Assist grip
- 3 Pencil holder **NEW**
- 4 Cup holder **NEW**
- 5 Spacious flat top panel
- 6 Small-diameter steering wheel
- 7 Hand protector

Panoramic Mirror **NEW** Option

The curved-surface mirror provides broad view of operator's back side.



Laser Marker Option

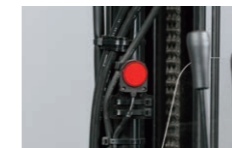
The bright laser marks the height of the forks. It supports smooth pallet handling in the warehouse.

Note: This is an image photo. The actual appearance of the laser beam is different.



Fork Leveling Indicator Lamp **NEW** Option

The lamp installed on the mast lights up when the forks are at level position. This helps to confirm the forks are level, even when the front view is blocked.



Fork View Camera **NEW** Option

The fork tips are displayed on a monitor for easy fork insertion even at high lift height. Horizontal line displayed on the monitor indicate the fork height.



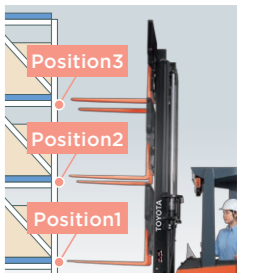
Angled Lower Stays for the Backrest

This provides outstanding fork tip visibility when fork lowering, and helps the operator maintain a strain-free operating posture during load handling.



Height Selector II **NEW** Option

The forks automatically stop at preset positions. It makes operations simple and easy. The lift height can be set at 18 different positions matched to your worksite.



Multifunction Lever Option

All reach truck operations can be controlled by this lever. The Multifunction Lever will surely support the productivity of all levels of operators.



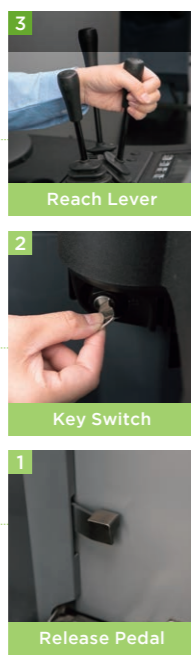
*Only for the vehicle with side shift fork.

Easy Maintenance and Easy Management, Totaly Supports Your Worksite.

Maintenance

Battery Reach Out System

The battery can be reached out easily. It enables smooth battery maintenance, inspection, and replacement.



To prevent unintentional operation, battery is reached out only when 1, 2, and 3 are operated simultaneously.

Battery Connector Handle with Long Grip

*Only for on-truck charger

The charger plug with long grip and the angled charging port support easy connection. The rubber plug is superior in durability.



Charging Plug inside Operator's Compartment

The battery charging port for off-truck charger is located at the operator's compartment. This eliminates the need to disconnect the plug from battery, enhancing ease of operation.



Detachable Front Cover

The front cover is easy to detach and reattach, facilitating inspection and maintenance.



Management

PIN*-code Entry System

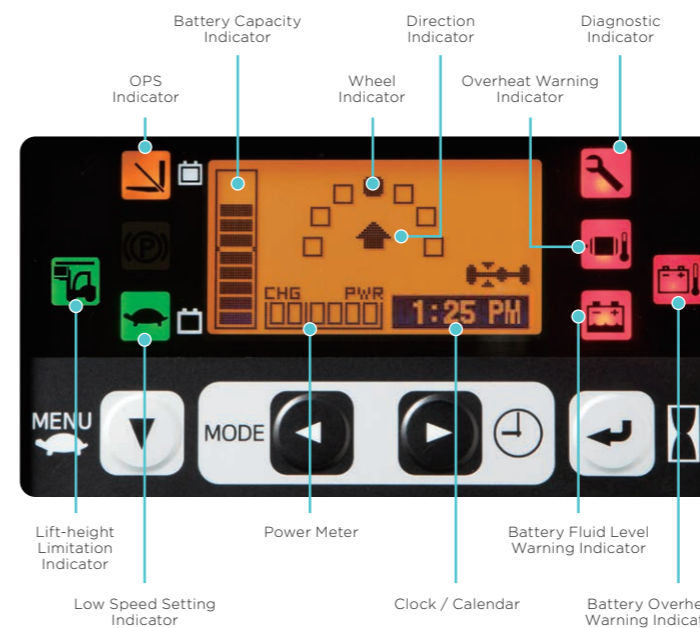
*Personal Identification Number

A code must be entered to start the forklift, preventing use by unauthorized persons. The vehicle settings can be registered, allowing preferred settings for different operators. This also provides keyless operation.



Deluxe Multifunction Display

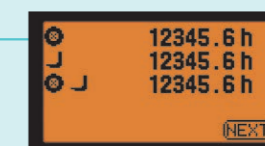
Enables operators to access a wide range of information about the forklift, such as travel speed and battery capacity. It also provides setting functions.



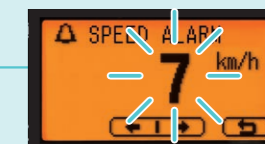
Speedometer



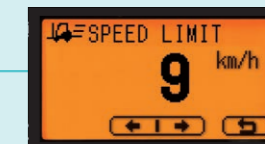
Hour Meter



Over-speed Alarm



Maximum Speed Limit



Scheduled-maintenance Hour Indicator



Battery Data Logging

*Only with Battery Protecting Function and optional battery

This provides the useful data such as battery charge status for improving battery maintenance and charging operations. Data can be output via QR code.



The following data are recorded by month, up to one year.

Number of Days in Operation

Key-on Hours

Fluid-level Warning Time

Charge Status

Telematics L_Site

The state of trucks operation, battery status, trucks collision information, and other data can be viewed on a computer or tablet. This can be used for improvements of worksite such as safety management, enhancement of productivity, and cost reductions.



OPTIONS

Specifications Optimized to the Usage Environment



Operator Side Protector Option

The steel protector helps to guard the operator's shoulder and elbow from harm.



Resin Roof Option

Easily detachable clear roof helps to provide protection from small falling objects. It is also effective against rain showers.



LED Headlights Option

LEDs provide bright illumination with far less power consumption and offer considerably longer life.



LED Yellow Beacon Option



LED Search Light Option

The compact yet bright light provides good forward visibility by illuminating the fork tips and other areas.



Cold-storage Model Option

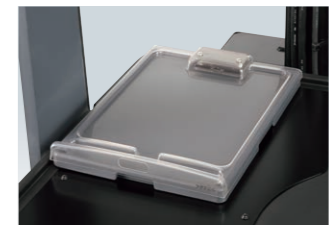
Cold-storage Model is designed for the operation in cold-storage warehouse. Cold-resistant hydraulic hoses, and special rust-proof coating and paints are used to withstand the extremely low temperatures. The charging port placed inside the operator's compartment makes charging easier.



Note: Continuous inside operation time is up to 30 minutes. After inside operations, it is necessary to keep the truck outside for an equivalent length of time.

A4-size Binder with Clear Cover Option

The clear cover protects documents from water droplets. It is also useful when checking documents inside cold-storage.



Rear Bumper (Rubber) Option

In the rare event of an accident, the D-shaped rubber bumper helps reduce damage.

Note: The turning radius is increased by 120 mm compared with the base vehicle.

Main Equipment ○ Standard ● Optional

Equipment	Availability	Equipment	Availability
Safety & Stability		Operability & Comfort	
SAS-R	○	Back Support with Integrated Assist Grip	○
Automatic Turn-speed Control	○	Multifunction Lever	● *2
Rear-positioned Headguard Pillar	○	Rear Pillar Pad	●
OPS	○	Overhead Guard Sheet	●
Hand Protector	○	Resin Roof	●
Shockless Landing	○ *1	Reading Lamp	●
Turn Signal Lights	○	Document Box w/ Magnet	●
Headlights	○	Storage Box w/ Cup Holder	●
LED Headlights	●	A4-size Binder w/ Magnet	●
LED Rear Working Light	●	A4-size Binder w/ Clear Cover	●
LED Search Light	●	Service & Management	
LED Blue Light (Selective Lighting Condition)	●	Deluxe Multifunction Display	○
LED Yellow Beacon	●	Keyless Key Switch	●
Rear-view Mirror Oval Type	●	PIN Code Entry System	●
Panoramic Mirror	●	Telematics	●
Back-up Light	●	Load handling	
Forward & Back-up Chime	●	Height Selector II	● *3
Back-up Chime	●	Fork Leveling Indicator Lamp	● *4
Forward Chime	●	Laser Marker	● *4
Rear Bumper (Rubber)	● *2	Fork View Camera	● *4
Instrument Panel Guard (w/ Reinforced Left Hand Body)	● *2	Wide Visible Mast (V)	○ *5
Reinforced Left Hand Body	● *2	Wide Visible Mast (SV)	● *6
Operator Side Protector	●	Full-free Lift 3-stage Mast (FSV)	● *3
Clamp Interlock	●	Full-free Lift 2-stage Mast (FV)	●
Battery		Fully Oil Charged Lift Cylinder	●
Battery (Wet Cell)	●	High Load Backrest (Flat Steel Type)	●
Smart Charging System [Battery Charger (On-Truck Type)]	●	Reinforced High Load Backrest (Angle Shape Type)	● *2
Battery Charger (Off-truck Type)	●	Long Backrest (Flat Steel Type)	● *2
Single Overall Electrolyte Filler Ports	●	Reinforced Long Backrest (Angle Shape Type)	● *2
Charger Plug Inside Operator Compartment	●	Sleeved Forks	●
Battery Protecting Function	●	Special Edition	
Battery Carrier	● *2	Cold Area Package	●
Battery Carrier w/ Height-adjust System	●	Cold-storage Model (Type 45S)	●
Battery Hanger	●	Rust-proof Model	●
Handle For Side Pull-out Battery	●	Mast Rust-proof Painting	●
Side Pull-out Battery	●	Backrest Rust-proof Painting	●
		Bumper Type Sub-weight	●

*1 Only for V, SV and FSV mast *2 Only for 8FBR10-18 *3 Except 8FBR20,25
*4 Except 8FBR30 *5 Option for 8FBR20,25 *6 Standard for 8FBR20,25