**Main Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Standard Type</th>
<th>High-mast Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>8FBR10</td>
<td></td>
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<tr>
<td>8FBR13</td>
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<tr>
<td>8FBR15</td>
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<td>8FBR18</td>
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<td>8FBR20</td>
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<tr>
<td>8FBR30</td>
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<tr>
<td>8FBRS25</td>
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</table>

<table>
<thead>
<tr>
<th>Operating Position</th>
<th>Battery and Motor Specifications</th>
<th>Electric Motors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Voltage/Capacity (5-hour ratings)</td>
<td>Power Steering</td>
</tr>
<tr>
<td></td>
<td>Drive Voltage/AH Min/Max</td>
<td>Drive Voltage/AH Min/Max</td>
</tr>
<tr>
<td>8FBR10</td>
<td>48/201</td>
<td>48/201</td>
</tr>
<tr>
<td>8FBR13</td>
<td>48/260</td>
<td>48/260</td>
</tr>
<tr>
<td>8FBR15</td>
<td>48/280</td>
<td>48/360</td>
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<tr>
<td>8FBR18</td>
<td>48/320</td>
<td>48/445</td>
</tr>
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<td>8FBR20</td>
<td>48/320</td>
<td>48/445</td>
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<tr>
<td>8FBR25</td>
<td>48/320</td>
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</tr>
<tr>
<td>8FBRS25</td>
<td>48/445</td>
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</tr>
</tbody>
</table>

**Battery and Motor Specifications**

- **High-mast Type** is suitable for worksites needing higher load stacking. Smaller capacity reduction at high lift height enables stable high-stacking operations, supporting effective use of space.

- **Standard Type** and **High-mast Type** are both available with different models, including 8FBR10 to 8FBR30 and 8FBRS20 to 8FBRS25.

- The data in this leaflet is determined based on our standard testing conditions. The performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

- Availability and specifications depend on market and are subject to change without notice.

- Due to photography and printing, the color of the actual vehicle may vary from this leaflet. Some photos have been computer-enhanced.

- Please consult your Toyota representative for details.
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.
Long Operating Time and Long Battery Life for Your Long-lasting Business.

Long Operating Time & Long Battery Life

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

<table>
<thead>
<tr>
<th>Load (t)</th>
<th>Operating Time</th>
<th>Battery Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5t</td>
<td>9h30min</td>
<td>48V 280AH/5h</td>
</tr>
<tr>
<td>2.5t</td>
<td>7h35min</td>
<td>48V 320AH/5h</td>
</tr>
<tr>
<td>3.0t</td>
<td>11h30min</td>
<td>48V 445AH/5h</td>
</tr>
</tbody>
</table>

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.

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 longer operating time.

Switchback Regeneration

Accelerator operated for reverse travel

Recovery in the battery

Contributes smooth and quick switchback operation

Accelerator-released Regeneration

Stop by regenerative braking

Accelerator released

Recovery in the battery

Enables stopping with smooth deceleration

Note: The regenerative braking level is adjustable.

Battery Protecting Function

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 ensures 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.

**Shockless Landing**

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.

**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.

**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.

**Ensured stability during load handling**

**No capacity reduction at lift height of 4m**

**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.

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

**Vehicle speed adjusted according to turning radius**

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

**Suspension Control System of Active Stability for Reach**

Front-assist Brake System Traction Control

**Suspension Control System of Active Stability for Reach**

**With Control**

**Without Control**

**Turn**

**Reach-out**

**No capacity reduction at lift height of 4m**
Smooth Start-off, Travel, and Braking, Stress Free Operation in Your Hand.

**Operator Presence Sensing System (OPS)**

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

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.*

**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.

**LED Blue Light**

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

**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.

**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.

**Front-assist Brake System**

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

**Braking**

Brake operation indicator

**With system**

Low Rear Wheel Pressure Against the Ground

Tire Spinning and Difficulty in Turning and Stopping

**Stable Braking by the Front and Rear Wheels**

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.

**LED Blue Light**

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

Easy Operation

Operator’s Compartment

- **Panoramic Mirror**
  The curved surface mirror provides broad view of operator’s back side.

- **Laser Marker**
  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**
  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 Vision Camera**
  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.

- **Height Selector**
  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**
  All reach truck operations can be controlled by this lever. The Multifunction Lever will surely support the productivity of all levels of operators.
  *Note: This is an image photo. The actual appearance of the lever is different.*

- **Floor height (1 ton series): 250mm**

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

**Battery Reach Out System**

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

**Battery Connector Handle with Long Grip**

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.

**Detachtable Front Cover**

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

**Management**

**PIN-code Entry System**

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.

**Easy Maintenance and Easy Management, Totally Supports Your Worksite.**

**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.

**Telematics 1_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
The steel protector helps to guard the operator’s shoulder and elbow from harm.

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

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

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

LED Search Light
Option

LED Blue Light (Selective Lighting Condition)
Rear-view Mirror Oval Type

Panoramic Mirror

Back-up Light

Forward & Back-up Chime

Rear Bumper (Rubber)

Instrument Panel Guard (w/ Reinforced Left Hand Body)
Reinforced Left Hand Body

Operator Side Protector

Clamp Interlock

Battery

Battery (Wet Cell)

Smart Charging System [Battery Charger (On-Truck Type)]

Fully Oil Charged Lift Cylinder

High Load Backrest (Flat Steel Type)

Reinforced High Load Backrest (Angle Shape Type)

Lamp Backrest (Flat Steel Type)

Reinforced Lamp Backrest (Angle Shape Type)

Mast Rust-proof Painting

Backrest Rust-proof Painting

Bumper Type Sub-weight

Main Equipment

Standard
Optional

Equipment
Safety & Stability
Back Support with Integrated Assist Grip
Automatic Turn-speed Control
Rear-positioned Headrest Pillar
OPS
Rank Protector
Shoeless Landing
Turn Signal Lights
LED Headlights
LED Rear Working Light
LED Search Light
LED Blue Light (Selective Lighting Condition)
LED Yellow Beacon
Rear-view Mirror Cover Type
Instrument Panel Guard (w/ Reinforced Left Hand Body)
Reinforced Left Hand Body
Operator Side Protector
Clamp Interlock
Battery
Battery (Wet Cell)
Smart Charging System [Battery Charger (On-Truck Type)]
Fully Oil Charged Lift Cylinder
High Load Backrest (Flat Steel Type)
Reinforced High Load Backrest (Angle Shape Type)
Lamp Backrest (Flat Steel Type)
Reinforced Lamp Backrest (Angle Shape Type)
Mast Rust-proof Painting
Backrest Rust-proof Painting
Bumper Type Sub-weight

Operability & Comfort
Back Support with Integrated Assist Grip
Multifunction Lever
Rear Pillar Pad
Overhead Guard Sheet
Resin Roof
Reading Lamp
Document Box w/ Magnet
Document Box w/ Cup Holder
Service w/ Management
Document Box w/ Magnet
Document Box w/ Cup Holder
Safety & Stability

Equipment Availability

Cold-storage Model
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.

A4-size Binder with Clear Cover
The clear cover protects documents from water droplets. It is also useful when checking documents inside cold-storage.

Rear Bumper (Rubber)
In the rare event of an accident, the D-shaped rubber bumper helps reduce damage.

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.