Main Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Standard Type</th>
<th>High-mast Type</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Voltage/Capacity</td>
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<td>(5-hour ratings)</td>
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<td></td>
<td>Electric Motors</td>
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<td></td>
<td>Min</td>
<td>Max</td>
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<tr>
<td>8FBR10</td>
<td>48/300</td>
<td>48/240</td>
</tr>
<tr>
<td>8FBR13</td>
<td>48/370</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>8FBR25</td>
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</tbody>
</table>

Battery and Motor Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Battery and Motor Specifications</th>
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<tbody>
<tr>
<td>8FBR10</td>
<td>Voltage: 50V, Capacity: 300Ah</td>
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<tr>
<td>8FBR13</td>
<td>Voltage: 50V, Capacity: 240Ah</td>
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<tr>
<td>8FBR15</td>
<td>Voltage: 50V, Capacity: 240Ah</td>
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<tr>
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<td>8FBR25</td>
<td>Voltage: 50V, Capacity: 240Ah</td>
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</tbody>
</table>

High-mast type is suitable for worksites need higher load stacking. Smaller capacity reduction at high lift height enables stable high-stacking operations, supporting effective use of space.
Toyota’s Leading Technology is within Your Reach

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.

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.

### Long Operating Time

| Truck Type | Operating Time | Battery Specifications | Previous Model 7FBR | New Series 8FBR |
|------------|----------------|------------------------|---------------------|----------------|----------------|
| 1.5t       | 9h 30min       | 48V, 280AH/5h          | 8h 40min            | 9h 30min       |
| 2.5t       | 7h 35min       | 48V, 320AH/5h          |                     |                |
| 3.0t       | 11h 30min      | 48V, 445AH/5h          |                     |                |

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

### 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**

- 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**

### Smart Charging System

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**

- Current
- Smart Charging System

**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 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.

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
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

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.

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

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

Operator Presence Sensing System (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.

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.

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.

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.

Stable Braking by the Front and Rear Wheels

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

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.

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.

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

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.

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.

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 View 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.

Floor height (1 ton series): 250mm

Floor height

1 ton series 250 mm

2 ton series 315 mm

Height Selector II

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.

Simply operate the lever or switch for the direction you want.
Easy Maintenance and Easy Management, Totally Supports Your Worksite.

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.

Detachable Front Cover

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

Management

PIN-codes 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.

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.

- Battery Capacity Indicator
- Clock / Calendar
- Diagnostic Indicator
- Overheat Warning Indicator
- Wheel Indicator
- Direction Indicator
- Low Speed Setting Indicator
- Power Meter
- Battery Fluid Level Warning Indicator
- Lift Height Limitation Indicator

Battery Data Logging

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

LED Search Light

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

Specifications Optimized to the Usage Environment

Operators & Stability

Safety & Stability

SAS

Safety Assist System

Automatic Leveling Control

Rear Safety Camera

SRS

Advanced Safety Protection System

Wreath Protection

Door Entry System

Turn Signal Light

Headlights

LED Rear Working Light

LED Search Light

LED Blue Light (Selective Lighting Condition)

LED Yellow Beacon

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)]

Battery Charger (Off-truck Type)

Single Overall Electrolyte Filler Ports

Charger Plug Inside Operator Compartment

Battery Protecting Function

Battery Cover

Battery Cover w/ Angle-adjustable System

Battery Harmer

Battery Harmer w/ Angle-adjustable Battery

Side Pull-out Battery

Main Equipment

Safety & Stability

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
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 a accident, the D-shaped rubber bumper helps reduce damage.

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