

# 8FBRE

Electric Powered Reach Truck  
1.2 - 1.4 - 1.6 ton



## The 8FBRE Toyota Reach Truck *When you need effective simplicity*



*Some reach truck applications require a simple approach - a truck that is simply effective.*

*The 8FBRE has been developed specifically for this type of operation - an easy-to-use, practical solution - particularly suited to drivers that have many tasks to deal with during their working day.*

*Built and developed using the Toyota Production System concept this reliable truck will simply do its job. Day after day!*







## The 8FBRE Toyota Reach Truck *Optimized for driver efficiency*

*Adjustable controls to fit all drivers and reduce strain on arms, wrists and shoulders.*

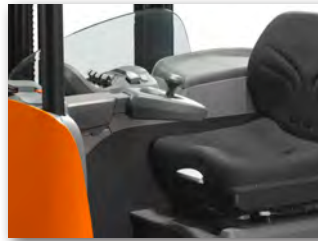
*Good visibility for the driver to ensure safe handling for both goods and other workers.*

*Integrated sideshift for fast and easy sideways adjustment without having to reposition the machine to retrieve the load.*

## Easy Access

The instep is low (379 mm) and has generous space for easy access.

Comfortable grip on front post to grab when entering.



## Adjustable Driving Position

Foldable steering arm provides plenty of space for entering and exiting the truck.

The steering console can be adjusted in angle, height and length and the fingertip control console can be adjusted forward/backward.

The floor is adjustable in three different heights; 450, 495 & 540 mm, seat to floor.

All key driver compartment parts are adjustable and makes the truck suitable for all sizes and types of drivers.



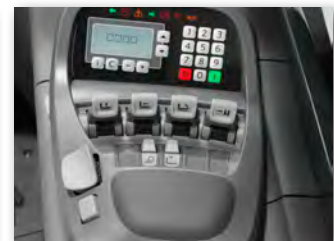
## Easy and logical maneuvering

The truck has electronic mini levers for fingertip control of the hydraulic functions.

Driver parameters can be programmed based on different driver requirements or skills. This includes Steering sensitivity, Top speed, Acceleration and Brake.

Up to 10 different driver profiles and 100 different PIN codes can be stored.

The pedals are located as in a car for immediate recognition and intuitive reaction for the driver. This enhances both safety as well as driver comfort.



## Visibility

The 8FBRE truck is available with two kinds of masts. The Duplex tele, 2-stage mast (V) with panoramic view and the Triplex free lift, 3-stage mast (FSV) with clear view.

Both offers the driver the best possible view of the load and the surroundings.



## AC motors 100% brushless MQS contacts Sealed boxes for electronic cards Hydraulic Quick connections

A high quality level based on the TPS production concept results in low costs for maintenance and reduction in necessary service time.

The focus on reduced service intervals and reduction of downtime has resulted in an improved life time cost.



### Easy maintenance

Easy access to the machine's electronic components makes maintenance and service easy to perform.

The hydraulics connectors are located underneath the battery and are easily reached when the battery is moved.

As the truck has been designed with few components and connection points as well as the Quick connections it enhances productivity and durability as leakage is minimized.

Uses MQS contacts enhances safe and reliable communication also in tough environments.



### Information display

The information display shows battery status, direction indicator, clock, error codes and service interval.

In the Service mode the truck can be controlled, calibrated and diagnosed.

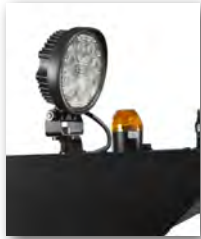


### Easy Battery Change

The battery is fitted on the support arms which makes it easy to change and manage the battery.

The charging outlet is easily reached besides the mast.

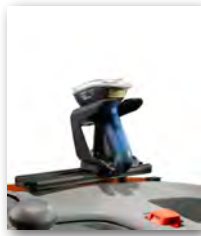




Working lights & Rear view mirror



E-bar, with options to fit writing table, scanner, small item holder and PC



Battery change device



Load support



Drive-in rack version



Three different kinds of seats are available, to suit all applications and drivers: Standard basic, Medium and High backrest.

## 8FBRE 1.2 - 1.4 - 1.6 ton

● standard ○ option

### Truck features

- Adjustable width over forks
- Automatic parking brake
- Clear-view mast
- Clear-view overhead guard
- Electronic braking system
- Electronic regenerative brakes (motor)
- Electronic speed control
- Integrated sideshift
- Load support
- Sideshift
- Tilting forks
- Tilting mast
- Working lights

### Controls and instruments

- 180° steering
- 360° steering
- Access Control (PIN codes)
- Adjustable Control console
- Adjustable deceleration
- Creep speed function
- Drive motor, lift motor and controller temperature warning
- E-bar
- Electronic height indicator
- Electronic fingertip controls
- Emergency cut-off
- Information display including Hour meter (working hours) and steering direction indicator
- Mini-joystick electronic controls
- Pedals as in a car
- Power/Electronic steering
- Split control panel

### Operator features

- Adjustable backrest
- Adjustable floor, 3 levels
- Adjustable seat
- Adjustable seat with safety belt
- Adjustable steering wheel
- Driver detection system (OPS)
- Driver-adapted programmable performance
- Low step-in
- On-board data terminal mount
- Storage compartments
- Writing table

### Maintenance features

- Easy access for maintenance
- Fault diagnosis outlet with fault log

### Battery management features

- Battery change facility
- Battery status indicator
- Battery discharge prevention system
- Sideways battery change

### Special applications

- Drive-in rack version

# 8FBRE

## Main Specifications

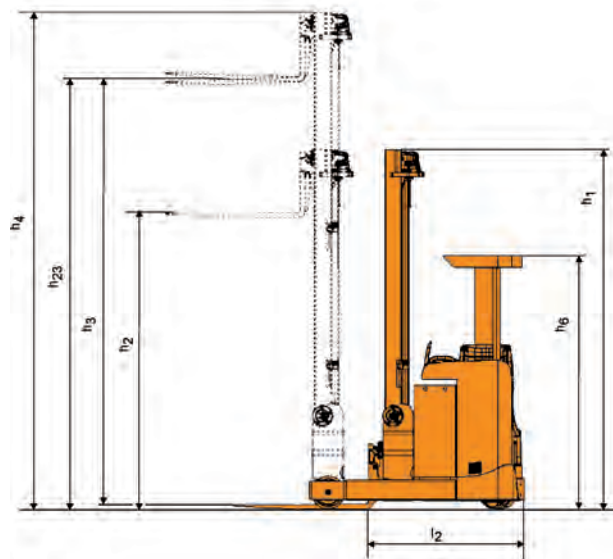
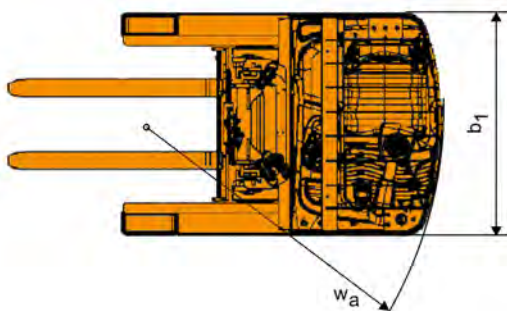
| Model                 |  | 8FBRE12  |  | 8FBRE14   |  | 8FBRE16  |  |
|-----------------------|--|----------|--|-----------|--|----------|--|
| Operator position     |  | Sit-down |  | Sit-down  |  | Sit-down |  |
| Load Capacity         | kg                                     | 1200     |  | 1400      |  | 1600     |  |
| Load Center           | mm                                     | 600      |  | 600       |  | 600      |  |
| Overall Width         | $b_1$ mm                               | 1270     |  | 1270      |  | 1270     |  |
| Turning Radius        | $W_a$ mm                               | 1668     |  | 1668      |  | 1668     |  |
| Overhead Guard Height | $h_6$ mm                               | 2153     |  | 2153      |  | 2153     |  |
| Length to Fork Face   | $l_2$                                  |          |  |           |  |          |  |
|                       | without sideshift mm                   | 1214     |  | 1214/1286 |  | 1286     |  |
|                       | with sideshift mm                      | 1252     |  | 1252/1324 |  | 1324     |  |
|                       | with rollerbed, including sideshift mm | 1263     |  | 1263/1335 |  | 1335     |  |

## Battery and Motor Specifications

| Model                         |      | 8FBRE12 |        |        | 8FBRE14 |        |  | 8FBRE16 |  |
|-------------------------------|------|---------|--------|--------|---------|--------|--|---------|--|
| Depth                         | mm   | 275     | 275    | 275    | 347     | 347    |  |         |  |
| Voltage/Capacity              | V/Ah | 48/310  | 48/465 | 48/465 | 48/620  | 48/620 |  |         |  |
| Electric motor, Drive         | kW   | 5.0     | 5.0    | 5.0    | 5.0     | 5.0    |  |         |  |
| Electric motor, Load Handling | kW   | 10.0    | 10.0   | 10.0   | 10.0    | 10.0   |  |         |  |

## Mast dimensions, mm

|                      |                       | Duplex Tele mast |      |      |      |      | Triplex Hilo mast |      |      |      |      |      |      |      |      |      |      |
|----------------------|-----------------------|------------------|------|------|------|------|-------------------|------|------|------|------|------|------|------|------|------|------|
| Lift height          |                       | 3000             | 3500 | 4000 | 4500 | 5000 | 4400              | 4800 | 5400 | 5700 | 6300 | 6750 | 7000 | 7500 | 8000 | 8500 |      |
| 8FBRE12S             | Height, mast lowered  | $h_1$            | 2050 | 2300 | 2550 | 2800 | 3050              | 2049 | 2182 | 2382 | 2482 | 2682 | 2932 | 3015 | —    | —    | —    |
|                      | Free lift             | $h_2$            | —    | —    | —    | —    | —                 | 1416 | 1550 | 1750 | 1850 | 2050 | 2300 | 2384 | —    | —    | —    |
|                      | Height, mast extended | $h_4$            | 3550 | 4050 | 4550 | 5050 | 5550              | 5033 | 5432 | 6032 | 6332 | 6932 | 7382 | 7631 | —    | —    | —    |
| 8FBRE12S<br>8FBRE16S | Height, mast lowered  | $h_1$            | 2050 | 2300 | 2550 | 2800 | 3050              | 2049 | 2182 | 2382 | 2482 | 2682 | 2932 | 3015 | 3223 | 3390 | 3556 |
|                      | Free lift             | $h_2$            | —    | —    | —    | —    | —                 | 1416 | 1550 | 1750 | 1850 | 2050 | 2300 | 2384 | 2590 | 2756 | 2924 |
|                      | Height, mast extended | $h_4$            | 3550 | 4050 | 4550 | 5050 | 5550              | 5033 | 5432 | 6032 | 6332 | 6932 | 7382 | 7631 | 8133 | 8634 | 9132 |



The data in this brochure 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. Due to photography and printing, color of actual vehicle may vary from this brochure, some photos have been computer-enhanced. Photographs may include optional equipment.