

7-SERIES

3 - WHEEL ELECTRIC

CUSHION & PNEUMATIC TIRE

7FBEU



Capacity:

3,000 to 4,000 lbs.

1,360 to 1,814 kg.

 **TOYOTA**
make things better



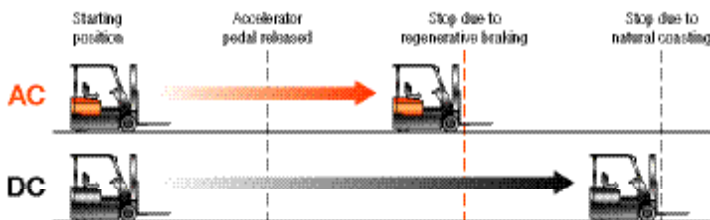
The Toyota 7FBEU. It's a conservationist disguised as a lift truck.



The 7FBEU Series elevates the idea of energy conservation to an entirely new level. As you'll see below, each subsystem is specifically designed to either conserve or regenerate power to maximize productivity between battery charges.

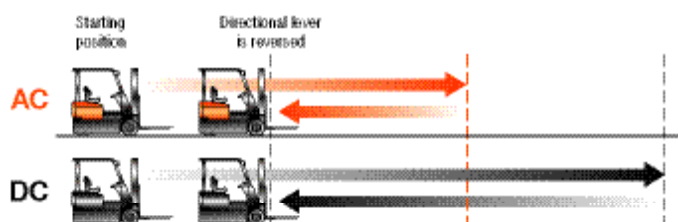
- **AC Drive & Lift System** offers fast response to operating commands, precise power control, compact components and provides high levels of productivity throughout the entire shift.
- Toyota's **AC Power System** includes energy recovery provided by three forms of regenerative braking:
 - Coast Control (accelerator released)
 - Plug Braking (switch-back)
 - Foot Braking (also extends brake pad wear)

Coast Control



During coasting conditions, the AC drive motors act as generators, supplying energy back to the battery (**regenerative braking**). The resistance in the motors during this condition acts as a "brake-assist" which helps slow the truck while improving brake component life.

Plug Braking



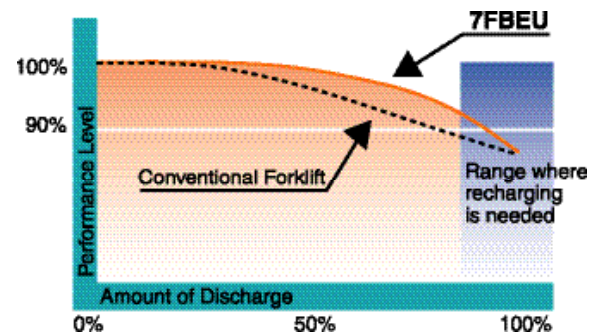
The plug braking operation is done quicker and smoother due to Toyota's AC drive motors.



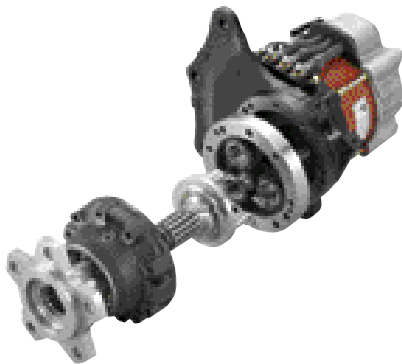
The **Advanced Main Controller** is designed and built by Toyota.



- Even when the battery level is low, the **Power Keep Function** allows the 7FBEU Series' AC motors to continue to perform at productive levels.
- Toyota's new **AC drive motors** are **transversely mounted** on the same axis. Less mechanical energy is lost through using helical and planetary gears for high transmission efficiency.
- Seat-activated **Auto-Off System** is programmable to conserve battery power.
- **Power Select Function** manages power output levels via preset performance parameters.
- **Transistorized Drive and Hydraulic Controls** are a standard feature that work in conjunction with performance parameters to tailor the lift truck's operation according to specific applications and operator skill levels.
- **Momentary Hold/Controlled Descent** feature maximizes lift truck control when the accelerator pedal is released on a grade by regulating rolling speed. It also allows the lift truck to be started on an inclined surface without rolling backwards.
- Available in both **36 or 48 volt** electric power systems.



When the battery level is low, the **Power Keep Function** allows the 7FBEU AC motors to provide output characteristics closer to those of a fully charged battery for a more productive work shift.



Compared to equivalent-sized DC motors, the **7FBEU's AC motors** generate quicker acceleration, faster top speeds and higher outputs.



Toyota's **AC drive motors** provide superior power and gradeability, loaded or unloaded.

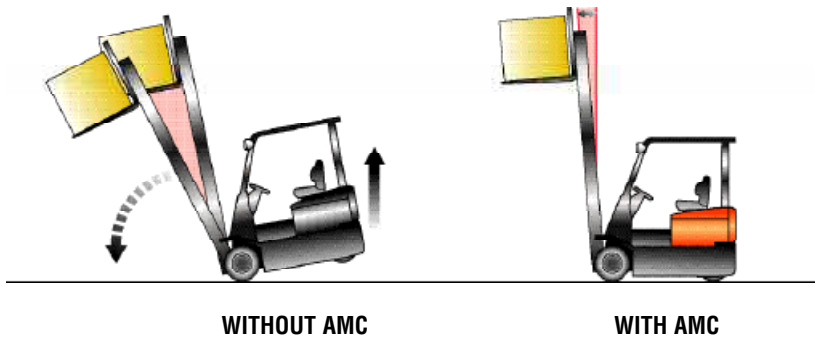
Safety first. Productivity, a very close second.

Reducing the potential for accidents while increasing overall productivity is Toyota's primary vision in lift truck design. To this end, the 7FBEU Series lift trucks include Toyota's newest technologies.

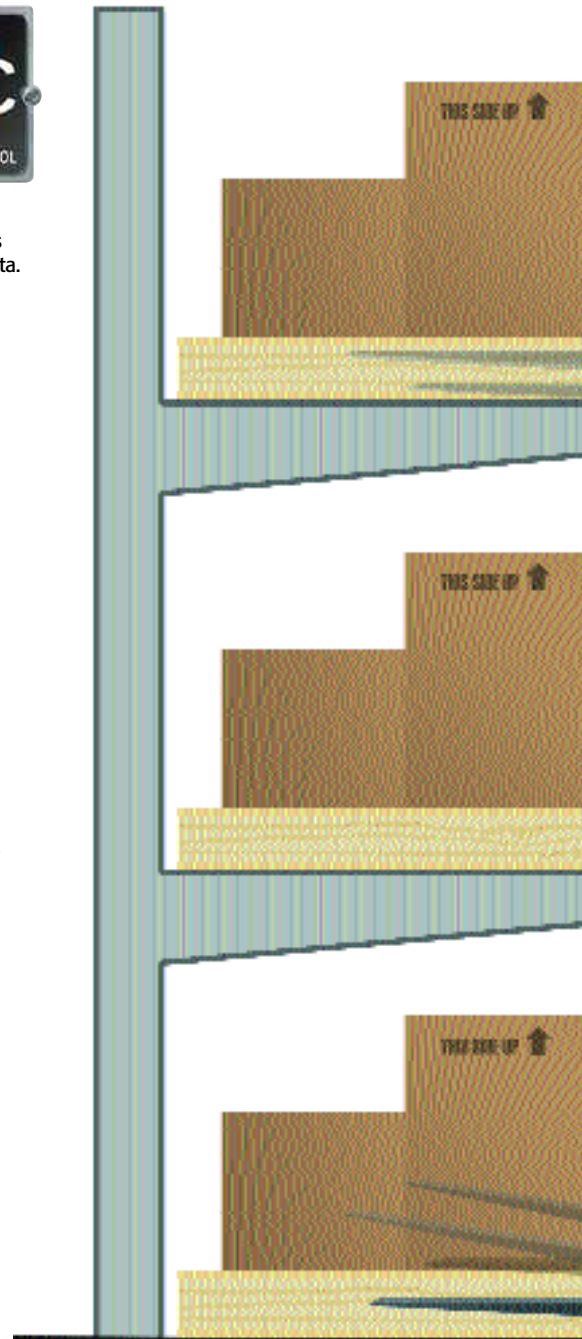
- **Active Mast Control (AMC)** is a system of sensors, limit-switches, actuators and a controller that detects and responds to changes in the operating status of the lift truck to enhance longitudinal stability when handling loads of varying sizes and weights at high lift heights.



The Active Mast Control system is exclusive to Toyota.



- **Forward Tilt Angle Control** will automatically override the operator's manual control and limit forward tilt to decrease the chance of spilling a load or tipping over the lift truck.
- **Rear Tilt Speed Control** will automatically govern the mast's reverse tilt speed when heavy loads are handled at high mast positions to maintain load stability.
- **Key-Lowering Interlock with Drift Control System** helps prevent the forks from being inadvertently lowered when the lift truck is in the "OFF" position. This function also minimizes the amount of natural lowering and tilt.
- **Return-to-Neutral** helps prevent unintentional operation of the lift truck when it is turned "ON". The operator must return the shift lever to the neutral position and then take action to either go forward or reverse.





Starting from a back tilt position, the automatic **fork leveling** feature positions the forks horizontally to the floor with the simple push of a button on the tilt lever, allowing safer and easier load handling.



Synchronized steering option helps the operator rely on the position of the steering wheel to know the position of the rear steer tires at all times. When the rear tires are in a straight forward position, the steering wheel spokes will be parallel to the front cowl every time.



Standard **dual, smooth cushion steer tires** to provide a smoother ride, longer tire life and a wider footprint for improved lateral stability.

Also available with optional pneumatic tires.



Automatic fork leveling consistently levels the forks parallel to the ground, improving operating efficiency and productivity while reducing product damage.

A digital read-out so complete, you don't have to read into anything.

Toyota's liquid-crystal **Multifunction Digital Display** provides instant access to virtually every aspect of the lift truck's performance and operating systems. It also allows quick and easy programmability of the travel and hydraulic functions of the lift truck through the tuning mode.

The display is equipped with the **Power Select Function**, which includes four password-protected performance parameters (three preset, one custom) to conform to a range of job applications and operator skill levels.

S-Mode Provides the longest amount of operating time per charge at industry average performance.

P-Mode Provides an optimum balance between performance and operating time per charge.

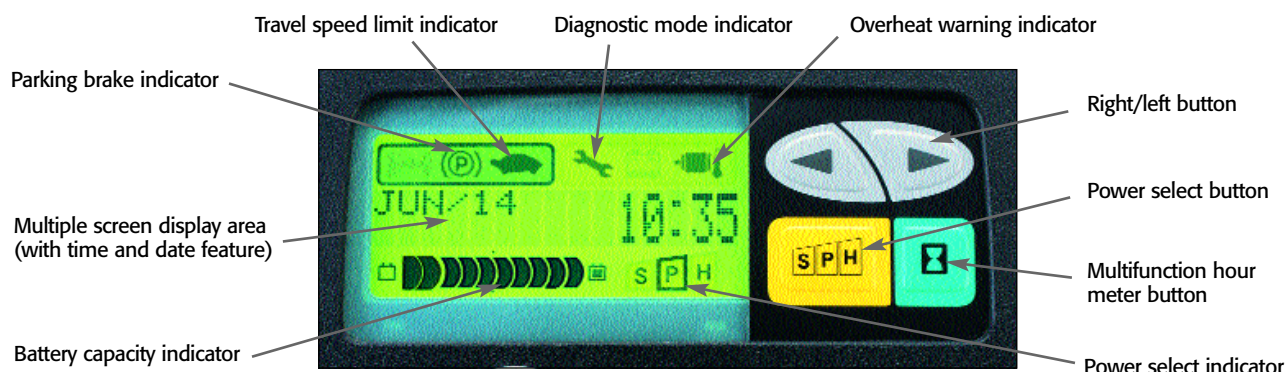
H-Mode Provides the greatest level of performance at industry average operating time per charge.

Also displayed on the digital monitor are the following:

- Self-diagnostics indicator
- Time/date
- Battery discharge indicator
- Multifunction hour meters
- Speedometer

The **Multifunction Digital Display** augments the productivity of both the operator and the lift truck, and simplifies the study of time, motion and related performance characteristics.

Digital Display



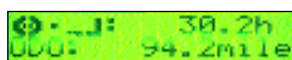
Multifunction Hour Meter Display



Total Key-on Time



Travel Time
Material Handling Time



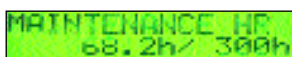
Travel and Material Handling Time
Travel Distance (Odometer)



Lap Time



Trip Distance



Maintenance Interval Time



Tuning mode is used to make adjustments in the traveling and material handling features, in order to customize the performance parameters for individual operators and varying applications.



The 7FBEU comes equipped with On-demand, full hydrostatic power steering to provide maximum maneuverability in confined work environments.

Get what you pay for. And then some.



Wide-view mast offers an excellent view of the fork tips in any position, to enhance operator control and safety.



Strategically configured console provides easy, at-a-glance viewing during operation to help the operator remain comfortably in command.

Also available, **optional steering wheel knob**.



Hand parking brake has an ergonomically contoured handle and a release button that helps to prevent inadvertent release of the brake.



Electric shift lever offers fingertip control for fast and easy direction control changes.



Automatic Fork Leveling feature positions the forks horizontally with the simple push of a button, allowing safer and easier load handling.

Headlights with turn signals and optional mirrors help increase productivity.

Curvilinear overhead guard provides ease of entry/exit and load visibility.

Adjustable steering column with memory tilt to meet operator preference.

Cup holder for operator convenience.

No-tool floorboard lifts out in seconds for fast, easy access to daily operator checks.

Heavy-duty, non-slip floor mat reduces noise and vibration for a smooth, quiet and comfortable ride.

Low, wide step on both sides provides sure operator footing.

Features and equipment may vary depending on market

Spacious operator compartment with improved headroom and legroom to help reduce operator fatigue.

Rear combination lights are mounted high on the overhead guard for improved protection and to make stops and turns highly visible in the workplace.

Optional rear work light to assist operators when working in a dark environment and driving in reverse.

Optional strobe light and smart alarm to assist and warn pedestrians that a lift truck is operating nearby.

On-demand, full hydrostatic power steering provides quiet, responsive operation, helping to reduce operator fatigue.

Standard ultra-comfort semi-suspension ORS cloth seat is the industry's first four-way seat featuring lumbar support adjustment, for optimal operator comfort.

Battery roll-out option features factory installed rollers for easy battery replacement.



Optional swivel seat rotates for safer and more comfortable travel in reverse.



Optional mini-lever controls with an adjustable armrest help reduce operator fatigue.



Integrated light switch and turn signal lever for headlights and optional work and rear combination lights.



Optional EZ pedal allows change of travel direction without taking a hand off the steering wheel or hydraulic control levers.



Mini-lever fingertip controls with auto fork leveling button help enhance operator productivity.

Toyota Electric Forklifts are built to last longer. Inside and out.

Toyota's **AC drive & lift motors** are **designed and built by Toyota** exclusively for the 7FBEU Series electric models. What's more, they do not require motor brushes, commutator or directional contactors, making them virtually maintenance-free.

- AC controllers and digital display provide **self-diagnostics with built-in analyzer capabilities**. There's no need for an external hand-held analyzer.
- **Maintenance hour meter** notifies operators of routine maintenance and service needs via the digital display monitor. The intervals are programmable to meet varying customer needs.
- **On-demand, full hydrostatic power steering** is controlled through the AC hydraulic motor system, eliminating an additional motor to service.
- **No-tool floorboard** lifts out in seconds for fast, easy access during daily operator checks.



Analyzer mode displays the status of electrical systems and allows instantaneous access to information on errors detected by the controller.

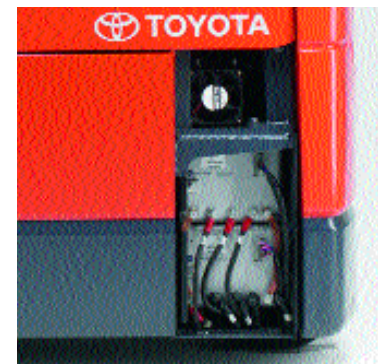


Right-side panel provides reliable protection and easy access to the hydraulic motor controller.



Low-effort battery hood features a convenient handle and an assist damper that automatically holds the hood open at a full 90 degrees for easy access to the battery.

Battery roll-out option is also available for easy battery replacement.



Left-side panel provides reliable protection and easy access to the drive motor controllers.



Durable, curvilinear bolt-on overhead guard provides maximum operator protection, entry/exit and load visibility.

Overhead guard pillars are rectangular in shape to enhance the frame's rigidity and withstand the toughest working conditions.

Tilt cylinder mast welds feature enhanced construction for reinforced mast strength.

Reinforced load backrest extension with recessed fasteners to reduce product damage.

Strong, rigid front fenders are integrated with the frame for improved durability.

AC motors, designed and built by Toyota for reliability and durability, that are second to none.



Virtually all Toyota 7-Series lift trucks sold in North America are manufactured and assembled at our state-of-the-art manufacturing facility in Columbus, Indiana. Toyota Industrial Equipment Manufacturing (TIEM) has attained ISO 14001 certification for environmental compliance and ISO 9001 for quality management excellence.



TOYOTA CANADA INC. (TCI) has received ISO 14001 certification for its Toronto, Ontario based head office facilities and parts distribution centre. This internationally recognized certification illustrates Toyota's global commitment to protecting the environment.

Established in 1970, Toyota Canada Inc., Industrial Equipment Division (TCI-IED), headquartered in Toronto, Ontario, is the only major lift truck supplier to have a head office and parts distribution centre in Canada dedicated to supporting the Canadian market.

Toyota's commitment to customer service extends nationwide. Thirty-two authorized Toyota Industrial Equipment Dealer facilities located throughout Canada offer comprehensive customer support including one-stop shopping for lift trucks, genuine Toyota parts and Toyota University accredited service technicians.

Not only is Toyota committed to Canada, but is proud of its overall commitment to North America, which includes:

- Direct North American employment: 38,041
- Direct North American Investment: CDN \$20.3 B

We are committed to supporting our products, and most importantly, our customers.

For more information contact your local authorized Toyota Industrial Equipment dealer, fax Toyota direct at **1-800-592-3851**, or visit the Toyota Industrial Equipment web site at **www.forklift.toyota.ca**.

Some product features here-in are optional. Please contact your dealer for specifications.
Details of specifications are based on information available at time of printing and may change without notice.



TOYOTA CANADA INC.

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