

# TOYOTA 7FG/7FD 3.5 – 5 tonnes Engine-powered Forklift Trucks



The data in this brochure was determined based on our standard testing conditions. Operating performance may vary depending on the actual specification and condition of the truck as well as the condition of the operating area. Availability and specific details are determined regionally and are subject to change without notice. Please consult your authorised Toyota distributor for details. Due to photography and printing, colour of actual forklift may vary from this brochure. Some pictures have been computer enhanced. Dentsu Brussels Group – February 2008 - n° 17/20/010/0532.



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MATERIAL HANDLING  
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## The Toyota 71C Range – Getting better all the time

**Already famous for their excellent all-round safety, high productivity and proven comfort and durability, the Toyota 71C Range of 3.5 to 5 tonne engine-powered forklifts continues to improve. Available with a wide range of options and your choice of cleaner diesel and LPG engines, these trucks demonstrate Toyota Material Handling's dedication to delivering environmentally responsible materials handling products.**

### **Safer, more comfortable, more productive**

Toyota forklift trucks have always set the standard for operating safety. With the exclusive Toyota System of Active Stability (SAS) protecting not only the driver but also other people in the workplace, Toyota 71C forklifts assure both security and high productivity. The driver's physical wellbeing has also been made a priority in the design of these trucks. Our comfortable and ergonomically designed driver compartment and cab provide ample proof of this commitment and make every Toyota 71C forklift truck a pleasure to drive.

### **The choice of more than 420,000 professionals**

They say you can't please all of the people all of the time, but that has never stopped Toyota from trying. We aim to satisfy the needs of everyone from operators to managing directors, maintenance engineers to chief accountants, health and safety directors to logistics managers. With all it has to offer, the Toyota 71C Range is an unbeatable long-term investment, with sales of more than 420,000 units worldwide. It's part of a total product, service and Business Solutions package from Toyota Material Handling – the world leader in materials handling.

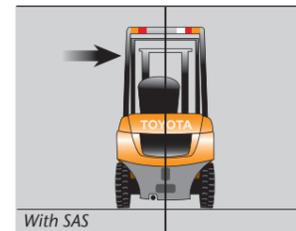
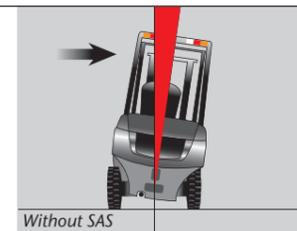


## Putting Safety First

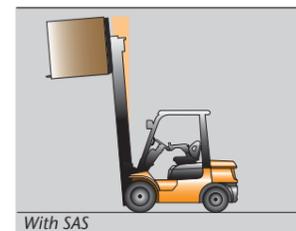
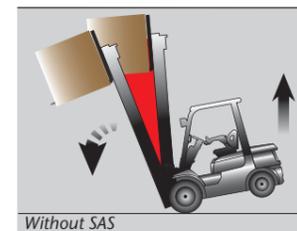
**The Toyota 71C Range is designed for optimal safety in the workplace. The forklift operator and goods are actively protected by the industry's most advanced safety features and technologies, including Toyota's unique System of Active Stability (SAS).**

### Stability of vehicle and loads

Toyota's SAS is the world's first active system for controlling forklift stability. It helps maintain the stability of the forklift in all conditions and protects both the operator and load when the truck is driving, turning or lifting.



**More lateral stability**  
If the SAS Active Control Rear Stabiliser system senses instability when the truck is turning, it immediately reacts by locking the rear axle, helping to reduce the risk of lateral tip-overs.



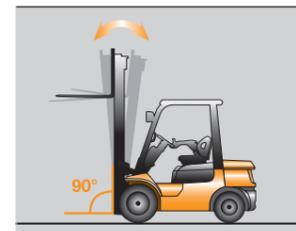
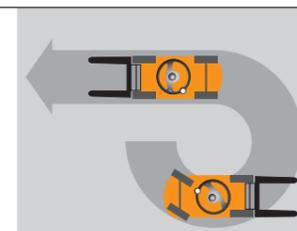
**Maximum mast control**  
The SAS Active Mast Function helps prevent loads from slipping or falling, and the truck from tipping over due to longitudinal instability. It activates two vital functions:

- 1) **Active Mast Front Tilt Angle Control** senses load weight and mast height, and then automatically overrides the operator's manual control to limit forward tilt, decreasing the chance of dropped loads or tip-over accidents.
- 2) **Active Mast Rear Tilt Speed Control** limits the backward tilting speed at height, helping to prevent loose loads from dropping onto the driver's cabin.



### Safer manoeuvring

The Active Steering Synchronizer aligns the position of the steering wheel with the position of the wheels so that the driving knob is always in the same position in relation to the wheels. The aim: a safe and comfortable driving position.



### Easier stacking and loading

SAS Fork Levelling Control ensures quicker positioning on pallets and helps avoid damage to goods. It enables drivers to place the forks in a perfectly horizontal position with the push of a button. This helps to simplify loading and unloading.

### Load Weight Indicator

To help prevent over-loading that might lead to vehicle damage or accidents, the multifunctional display indicates the weight of the load.



### Overspeed Alarm

For extra safety, the forklift speed is shown on the speed indicator. The indicator blinks and beeps to alert drivers that the truck has exceeded the preset speed.



## A Productive Partnership

**Powerful yet comfortable and easy to operate, the Toyota 71C Range offers class-leading levels of productivity. All Toyota 71C models are designed to maximise the efficiency of each truck and every operator.**

### Top Toyota performance

With a choice of Toyota diesel or LPG engines, you can choose your engine to suit your particular application and conditions. Power and handling are second to none, with the Toyota torque converter delivering the smoothest and most efficient transmission of power from engine to wheels.

### Simple to drive and operate

Driver productivity has been increased by studying operational needs. Toyota has designed the 71C truck's pedal layout and driving behaviour to be similar to those of a car. Even occasional drivers will find trucks in the 71C Range simple and intuitive to drive. An inching pedal allows even more driving control when approaching racks or picking pallets. The material handling controls have also been optimised by making the mini-levers and multifunction levers programmable through the multifunctional display. Their sensitivity can be tuned to suit each individual operator, forming the perfect interface between man and machine, for maximum productivity.

### The right truck for the job

Toyota 71C forklift trucks offer load capacities ranging from 3.5 to 5 tonnes, delivering the right model for each specific customer requirement. A wide range of features and options allows you to choose the truck that meets your specific needs and keeps your business performing at the highest possible level.



### How the Toyota 71C Range raises your productivity

- Choice of engines to suit your application and conditions
- Quick acceleration and outstanding performance
- Smooth, easy, intuitive drive with simple pedal layout

### Diesel Engine

Powerful six-cylinder Toyota 15Z diesel engines deliver class-leading productivity while meeting the latest European exhaust emission requirements.



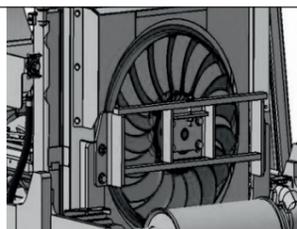
### LPG Engine

Clean-burning six-cylinder Toyota LPG engines provide reliable power and productivity.



### Cooling Efficiency

Toyota 71C engines feature high air intake and large cooling fans for maximum cooling efficiency. A dual-fan design for some models offers enhanced cooling power in hot or dusty environments.



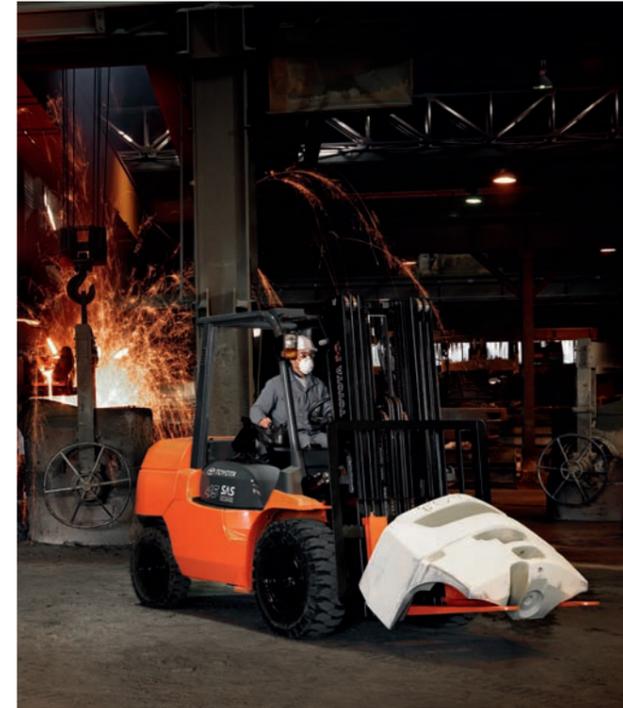
### Mini-Lever Programmability

Electronic mini-levers and multifunction levers can be easily programmed using the dashboard display, letting operators quickly 'personalise' their truck for efficient operation.



## Toyota Durability as Standard

**The true economic value of an asset is measured by its cost of operation over the whole product life cycle. Thanks to Toyota's renowned quality, durability and reliability, your Toyota 71C truck will be ready to go, whenever and wherever you need it.**



### Increased vehicle availability

No matter how tough the job gets, the Toyota 71C Range is built to take it. The truck's heavy-duty exterior has thick, rugged side panels for excellent durability in demanding applications. For LPG models working in especially dusty conditions, optional plate fin radiators help protect against overheating by preventing particles from clogging the radiator. High air intake and large fans and air filters protect the air intake system in dusty conditions and keep the truck running cool even when temperatures are hot.

Toyota 71C trucks have also been designed for fast, efficient service and maintenance, extending their lifespan and delivering excellent reliability while protecting your valuable investment. A large engine hood opening provides good access to filters and other service parts for easy daily maintenance and reduced downtime. When closed, the engine hood is sealed with a safety lock for added security for both the truck and driver.

The Toyota 71C Range offers a multifunctional display for quick and easy error code diagnosis. This allows service technicians to quickly identify and solve operational issues, minimising downtime and preventing damage to the truck. The steering axle features a compact, welded design and easy-to-reach greasing points for longer life and durability.

### Benefit from Toyota quality in every detail

Toyota's constant approach to quality in design, component selection and manufacture the optimum reliability of your truck, even in the toughest of conditions.

### Why Toyota 71C trucks are so durable

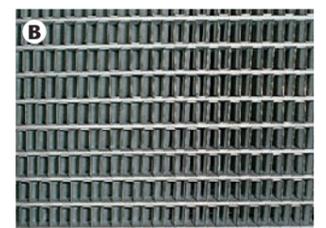
- Proven Toyota manufacturing quality control (TPS: Toyota Production System)
- Proven design expertise and experience
- High cooling capacity for hot environments or intensive use



Easy access to service parts

### Standard Radiator and Plate Fin Radiator

In exceptionally dusty environments, optional plate fin radiators deliver enhanced cooling capacity. Plate fin radiators (see picture B) feature larger openings than standard radiators (see picture A), delivering more airflow and easier discharge of airborne particles.



## Comfort Counts

The Toyota 71C Range offers advanced driver ergonomics. By considering the operator's needs in each design aspect – from mounting and dismounting the truck to remaining seated for long periods of time – Toyota has created a more comfortable work space, which in turn leads to improved productivity.



To produce the 71C Range, Toyota looked at the whole driver-forklift relationship and then designed a heavy-duty truck that provides excellent driver ergonomics. You'll notice the difference before you even start the smooth Toyota engine. First, a wide step provides easy entry and exit. This is especially welcome in applications that require you to frequently get on and off the truck.

Once you are onboard, ample floor space and a thick moulded rubber floor mat provide a soft, comfortable place for your feet. Equipped with a belt for your personal safety, the ORS (Operator Restraint System) seat with lumbar support provides optimal comfort and safety, whatever your size.

When operating the truck, full hydraulic power steering provides effortless manoeuvring, even with heavy loads. The tiltable steering column features a steering knob for a comfortable, relaxed grip on the wheel. When driving in straight lines, SAS Active Steering Synchroniser always keeps the steering knob in an ergonomically comfortable position.

### Why the 71C Range is more comfortable

- Easy entry and exit with large step
- Excellent head clearance for a more relaxed operating position
- Adjustable ORS seat for a comfortable driving position
- Unique SAS Active Steering Synchroniser

#### Mini-Levers

Small, easy-to-operate electronic mini-levers integrated into the armrest ensure fingertip control of all material handling functions.



#### Foot Space

Plenty of foot space from the accelerator pedal to the hood provides a comfortable driving position for operators of all sizes.



#### Multifunction Levers

Operators can perform more than one function with these easy-to-use levers for comfortable, productive handling.



#### Seat

The fully adjustable seat provides excellent lumbar support, with side wings that provide comfortable support for the operator's back when reversing.



## Our Commitment to the Earth

Getting the job done with minimum impact on our environment is a challenge Toyota takes very seriously. Our heavy-duty forklift trucks demonstrate this commitment, raising the bar for performance and environmental responsibility in the materials handling industry.



Toyota operates under a global charter for environmental responsibility that covers all aspects of a vehicle's life cycle, from waste-free production processes and cleaner operation through to effective end-of life recycling.

#### Demanding manufacturing standards

From the start, our forklift trucks are produced in a factory which is ISO 14001 certified, ensuring minimum impact on the environment.

#### Cleaner in operation

Toyota's diesel and LPG engines deliver the necessary power in the most environmentally-friendly way. Our engines burn cleaner than the legal requirements and comply with the latest EC 97/68 Stage

IIIA European diesel exhaust emission regulations. The optional catalytic muffler reduces emissions further, while the optional DPF muffler keeps diesel soot down.

#### Highly recyclable

Toyota engineers have designed a truck that is highly recyclable, reducing end-of-life disposal impact to an absolute minimum. Asbestos, mercury and cadmium have been totally eliminated.

These achievements are our commitment to you that your Toyota forklift will get the job done with the lowest possible environmental impact. As chosen by more than 420,000 professionals worldwide, your Toyota 71C forklift truly is a productive partner.

## Materials Handling for Europe

With a full range of materials handling products, services and Business Solutions, we're there when and where you need us. With all Toyota Material Handling has to offer you, we truly are stronger together.



Toyota Material Handling has a strong European presence, establishing close geographic links with its customers in order to better anticipate and respond to their needs. Our expanding network covers more than 30 markets across Europe, with 400 sales and service centres and more than 4,700 highly trained service engineers. Toyota Material Handling Europe (TMHE) has headquarters in Brussels (Belgium) and European Offices and production centres in Ancenis (France), Bologna (Italy), and Mjölby (Sweden). TMHE is the European regional operation of the Toyota Material Handling Group (TMHG).

### Toyota Material Handling Group

TMHG is the material handling division of Toyota Industries Corporation, with operations around the world and production facilities in Europe, Japan, China and the United States. By investing heavily in new engineering technologies and manufacturing techniques, Toyota Material

Handling aims to bring customers the best materials handling products and services on the market. By constantly expanding our sales, distribution and after-sales service network, we ensure a fast, effective response to market needs.

### Research & Development

Toyota Material Handling benefits from Toyota's vast experience in the automotive industry, especially in engine development. By taking full advantage of the group's massive R&D facilities and engineering expertise, Toyota Material Handling has developed a number of world-class technologies. Intelligent use of electronic and computer controlled devices has also made a significant contribution to creating more ergonomic and user-friendly operator environments, contributing to safety in the workplace.



7FG40



7FD45

## Specifications

Model	7FG35 7FD35	7FG40 7FD40	7FG45 7FD45	7FGA50 7FDA50
Engine model	1FZ-E 15Z	1FZ-E 15Z	1FZ-E 15Z	1FZ-E 15Z
Load capacity [kg]	3500 (4000)	4000 (4500)	4500 (5000)	5000
Load center [mm]	600 (500)	600 (500)	600 (500)	600
Standard lift height [mm]	3000	3000	3000	3000
Travel speed <b>Full</b> load [km/h]	1FZ-E 15Z	24 24	23.5 23.5	23.5 23.5
Travel speed <b>No</b> load [km/h]	1FZ-E 15Z	24.5 24	24.5 24	24 24
Lifting speed <b>Full</b> load [mm/sec]	1FZ-E 15Z	510 510	510 510	440 480
Lifting speed <b>No</b> load [mm/sec]	1FZ-E 15Z	550 550	550 550	480 520
Turning radius [mm]	2610	2710	2760	2810

### Engine specifications

Model	Toyota 1FZ-E Gasoline	Toyota 15Z Diesel
	7FG35-50	7FD35-50
Piston displacement	4476	5204
Max output (kW)	63	55
Max torque (Nm/r.p.m)	294/1200	280/1800