

Compact Forklift 1.5 - 7.0 tonne
Gas Powered Forklift
Cushion Tyre





Small size, high performance. The trucks allow heavy loads to be stacked closely together and at significant heights

Compact cushion tyre forklifts from Toyota Material Handling

Optimising space is a primary requirement in many industry applications. Toyota cushion tyre forklift trucks help you achieve this goal by combining advanced technology with easy handling and high performance in one compact truck range. The LPG compact range has load capacities up to 7.0 tonnes and many options to suit individual requirements. Typical applications for compact cushion tyre forklifts include high density and block stacking environments where space saving is essential.

Compact Truck

The cushion tyre truck has a very short turning radius which is significantly better than standard pneumatic tyre trucks. This allows the compact trucks to make optimal use of the operating space available for your operation.

Heavy loads

The cushion tyre range combines compact size with an exceptional lift capacity. The material used for the tyres allows them to handle extremely heavy loads, enabling these compact trucks to lift up to 7.0 tonnes on single wheels.

The Toyota LPG cushion tyre compact range of forklifts includes two truck series:

- **8FGCU (1.5 – 3.0 tonne)** - With the latest forklift design, this series provides advanced features for maximum efficiency.
- **7FGCU (3.5 – 7.0 tonne)** - For more intense operations, this series has a proven design providing increased safety and productivity.

The entire range provides the exceptional level of safety, productivity, driveability and durability that Toyota is renowned for.

Putting Safety First

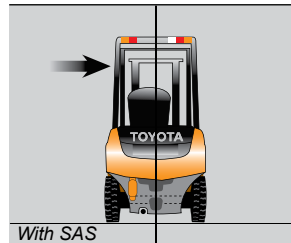
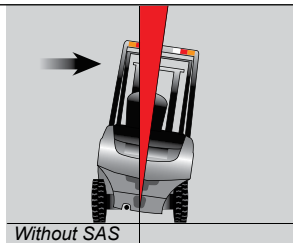
The Toyota cushion tyre compact range is designed for optimal safety in the workplace. The forklift operator and goods are actively protected by the industry's most advanced safety features and technologies, including Toyota's unique System of Active Stability (SAS).

Stability of vehicle and loads

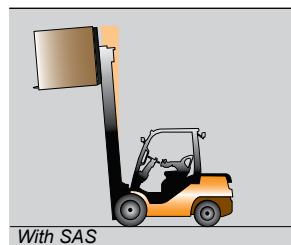
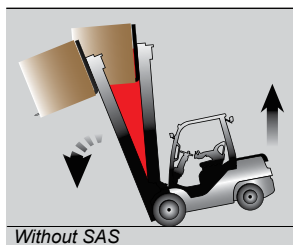
Toyota's SAS is the world's first active system for controlling forklift stability. It helps maintain the stability of the vehicle in all conditions and protects both the operator and load when the vehicle is driving, turning or lifting.

Operator Presence Sensing System

Toyota OPS – Operator Presence Sensing – senses whether an operator is in the correct operating position. If the operator is not in the proper operating position, the truck will not drive, lift or lower the mast – protecting the truck from misuse.

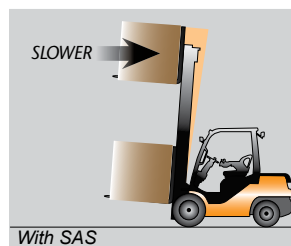
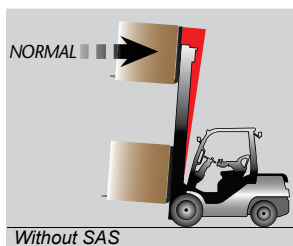


More lateral stability
If the SAS Active Control Rear Stabiliser system senses instability when the vehicle is turning, it immediately reacts by locking the rear axle, helping to reduce the risk of lateral tip-overs.



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 worse, 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.



Easier stacking and loading
SAS Fork Levelling Control ensures quicker positioning on pallets and helps to limit 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.



Cushion tyre technology allows easier handling of heavy loads in restricted spaces.

A Productive Partnership

Powerful yet comfortable and easy to operate, the Toyota compact cushion tyre range offers class-leading levels of productivity. All compact models are designed to maximise the efficiency of each truck and every operator.

Top Toyota performance

High performance industrial engines provide high levels of productivity, power and handling, with the Toyota torque converter delivering the smoothest and most efficient transmission of power from engine to wheels. Resulting in this truck being able to move more pallets per hour.

The right truck for the job

The combination of a compact chassis, high counterweight and high residual capacity provides a short-turning circle and maximum manoeuvrability. These features make this truck range perfect for high density and block stacking, both on the floor and at height. With load capacities ranging from 1.5 to 7.0 tonnes, Toyota has a range of trucks to suit your application.



Comfort Counts

The Toyota compact 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 compact range, Toyota looked at the whole driver-forklift relationship and then designed a heavy-duty truck that provides excellent driver ergonomics.

A perfect fit for each operator

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 inside the truck, 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.

This results in operators feeling comfortable during operation and suffering less fatigue.

Simple to drive and operate

Driver productivity has been increased by studying operational needs. Toyota has designed the compact truck's pedal layout and driving behaviour to be similar to those of a car. Even occasional drivers will find trucks in this range simple and intuitive to drive. An inching pedal allows even more driving control when approaching racks or picking pallets. Alternatively, Toyota offers an optional multifunction D2 pedal operation which combines acceleration and directional control.

When operating the truck, full hydraulic power steering provides effort-less 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.



ORS seat with lumbar support



Optional multifunction D2 pedal

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 compact cushion tyre forklift truck will be ready to go, whenever and wherever you need it.

Increased vehicle availability

No matter how tough the job gets, the Toyota compact range is built to take it. The truck's heavy-duty exterior has thick, rugged side panels for excellent durability in demanding applications. 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 compact 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 steering axle features a compact, welded design and easy-to-reach greasing points for longer life and durability.

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



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 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 exhaust emission regulations.

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.



Specifications



Main specifications

MODEL		8FGCU15	8FGCU18	8FGCU20	8FGCU25	8FGCU30	7FGCU35	7FGCU45	7FGCU55	7FGCU60	7FGCU70
Engine model		Toyota 4Y	Toyota 4Y	Toyota 4Y	Toyota 4Y	Toyota 4Y	GM 6-262	GM 6-262	GM 6-262	GM 6-262	GM 6-262
Load capacity	kg	1500	1750	2000	2500	3000	3500	4500	5500	6000	7000
Load center	mm	500	500	500	500	500	600	600	600	600	600
Standard Lift Height	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
Travel speed	Full load	km/h	17.5	17.5	17	17	17	19	19	21	21
	No load	km/h	17.5	17.5	17	17	17	19	19	21	21
Lifting speed	Full load	mm/sec	560	560	630	630	520	510	440	420	410
	No load	mm/sec	580	580	645	645	550	550	480	440	440
Turning radius	mm	1720	1780	1920	1970	2030	2280	2390	2550	2585	2585
Aisle width	mm	3520	3580	3745	3795	3880	4145	4275	4480	4515	4515
Length to fork face	mm	2090	2150	2315	2380	2475	2640	2745	2945	3000	3000
Overhead guard height	mm	2035	2035	2050	2050	2050	2105	2105	2170	2170	2170
Wheelbase	mm	1225	1225	1485	1485	1485	1560	1560	1830	1830	1830
Overall width	mm	945	945	1065	1065	1110	1210	1350	1350	1450	1450
Tread front	mm	795	795	890	890	910	980	1045	1095	1145	1145
Tread rear	mm	820	820	915	915	915	1050	1080	1065	1090	1090

Engine specifications

MODEL	TOYOTA 4Y		GM 6-262		
	8FGCU15.18	8FGCU20.25.30	7FGCU35.45	7FGCU55.60.70	
Piston displacement	cc	2237	2237	4300	4300
Rated horsepower/r.p.m.	kW	36/2250	38/2570	62/2350	65/2600
Rated torque/r.p.m.	Nm	160/2100	160/2100	281/1200	281/1200

Empowering your business

Our services and solutions are designed to provide different levels and types of support in response to individual customer's needs. This approach gives our customers the power to focus on their core business.



Toyota Service Contracts



Toyota Rental Solutions



Toyota I_Site fleet optimisation

A stronger network

Toyota Material Handling has a reputation for global excellence, but it is only by acting locally that we have earned some of the highest levels of customer satisfaction in the industry.

In the UK our comprehensive product and service range is provided directly by Toyota Material Handling, supported by a network of strategically placed, dedicated dealers.

With four business centres located in the North East, North West and the South, regional service centres and a network of service technicians across the UK, we are on your doorstep wherever you are located.

From single truck users to international key accounts our customers can access the same quality of service, tailored to their requirements





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 specifications 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.
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