

1.5 - 3.5 tons
Engine Powered Forklifts



TOYOTA

MATERIAL HANDLING



8FDF30

Tonero – a complete family of engine counterbalanced forklifts

Industrial engine, unmatched stability and outstanding all-round visibility

The Toyota Toner family is the fruit of our engineers' and specialists' high investment in finding the right answers to our customers' ever changing needs. Built on the world famous Toyota Production System (TPS) philosophy, the Toner sets new industry standards in 5 major areas: Safety, Productivity, Durability, Driveability and the Environment.

Robust and reliable, the Toner has strong features that run through the family. They are fitted with a powerful industrial Toyota engine with low fuel consumption & emissions. Designed with an unmatched stability and outstanding all-round visibility, the Toner enhance the driver performance, safety and confidence.

A wide range of chassis, masts, cabins and various other options makes the Toyota Toner a customisable truck that can be trusted from light up to the most demanding material handling needs.

To boost the performance of your forklift even more, choose the Toner + formula that best suits your application.



8FGF18



8FDF25



8FDJF35

Leading in Safety

At Toyota, safety is of prime importance. Naturally, the Toneró has been designed with this care in mind. It embodies world-leading features and technologies that focus on protecting driver and goods. One such feature is the unique System of Active Stability (SAS). Our experts also strive to link high safety with reduced costs and an increased productivity.

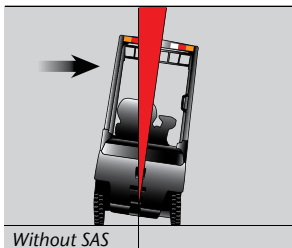
SAS – perfect balance for vehicle and loads

Toyota's exclusive SAS is a ground-breaking technology created to actively enhance forklift stability and thus, safety. By protecting both operator and load when driving, turning and lifting, SAS provides advanced technological support for safe operating practices.

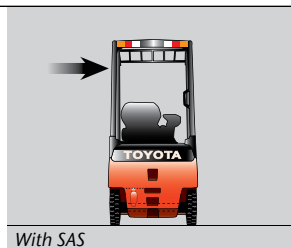


Driver safety systems

In addition, Toyota Toneró comes with Toyota Operator Presence System (OPS). This detects whether the operator is in the correct driving position and if not, it cannot be operated. Also, the truck warns the driver in case the parking brake is not on and is equally fitted with a controlled roll back on ramp.



Without SAS



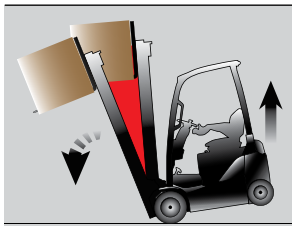
With SAS

More lateral stability

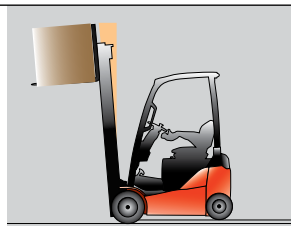
The SAS Swing Lock Cylinder helps to reduce the risk of lateral tip-overs: when the vehicle turns, it reacts immediately by locking the rear axle.



Swing Lock Cylinder



Without SAS



With SAS

Maximum mast control

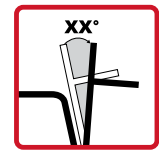
The SAS Mast Function helps to prevent loads from slipping/falling and the truck from tipping over by activating two vital functions:

1) Front Tilt Angle Regulator

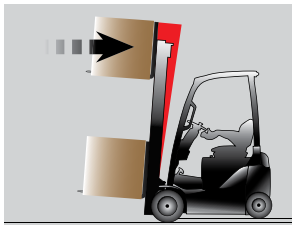
which senses the load weight and mast height and automatically overrides the operator's manual control to limit forward tilt;

2) Front and Rear Tilt Speed Regulator

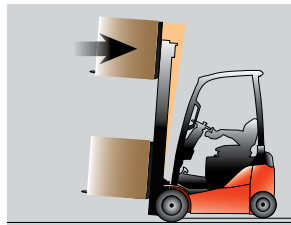
which controls the mast tilting speed at height and increases protection on the driver cabin in case of loads dropping.



Mast Front Tilt Angle Control



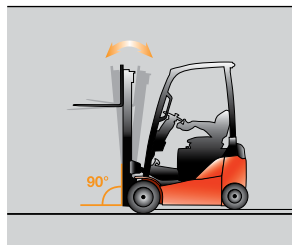
Without SAS



With SAS

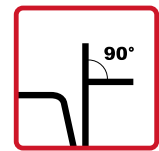


Mast Rear Tilt Speed Control

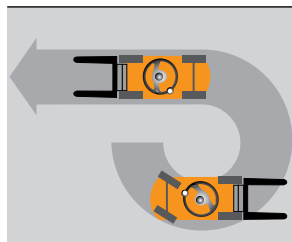


Secure stacking and loading

The SAS Fork Levelling Control simplifies and accelerates loading /unloading. The driver places the forks in a perfectly horizontal position simply by pushing a button.

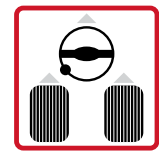


Fork Levelling Control



Precise manoeuvring

With the SAS Active Steering Synchronizer, the knob on the steering wheel is always in the same position as the wheels, ensuring a comfortable and safe driving position.



Active Steering Synchroniser

Outstanding all-round visibility

Good visibility is crucial in keeping high standards of safety and minimising accidents. This is why Toyota Tonero offers superb all-round visibility: In all applications when driving and when handling loads from the ground over loading and unloading at heights.

Upward visibility

Tilted bars on the overhead guard provide clearer upward visibility when handling loads at height.



Forward visibility

The position of the mast tie-bar provides optimal visibility when driving, loading and unloading.



Fork tip visibility

The low dashboard, display position and mast design offer the operator clear visibility right to the tip of the forks when working at low levels.



Strong chassis and frame

The Tonero trucks are built with a low centre of gravity for greater stability. They offer the advantage of a strong steel frame and overhead guard to increase the protection of the driver.



Rear visibility

The swivel seat comes as an option, offering a safe and ergonomic reverse ride.

TONERO+ Safety

For an advanced travel control safety system, use our Tonero+ Safety formula!

You will benefit from:

- Load weight indicator
- Speed and acceleration control with load at height
- Programmable speed limiter

Load Weight Indicator

A multi-functional display indicates the weight of the load, helping to avoid overloading and prevent subsequent accidents and vehicle damage.



Speed and Acceleration Control with Load at Height

The Tonero technology limits the drive speed with load at height and controls sudden acceleration, contributing to greater safety by diminishing risks of load spills, for instance.



Speed Limiter

A maximum speed can be programmed to make sure the driver remains within a pre-set limit.



Lifting productivity to higher ground

Powerful and precise in all applications, the Toyota Toneró family takes material handling productivity to the next level. Our trucks are designed to move your pallets faster, easier and safer, giving you full control over your handling operation.

Purpose built industrial engine

All Toyota engines are made in-house, continuing a long tradition for quality and long-term reliability. They are specifically designed for industrial applications. Two engine choices are available for these models, both optimised to bring benefits according to your requirements in different applications:

- LPG/Gasoline
- Diesel

Toyota industrial engines allow for quick acceleration, optimized energy efficiency and outstanding durability.

Customisation drives performance

For very specific tasks, the Toyota Toneró can be optimised through a range of individual choices. Choose your preferred transmission type, pedal layout, material handling controls, direction change system, and pre-set performance modes.

SAS lifts up your productivity

The Fork Levelling Control ensures a quicker positioning of pallets. The SAS Active Mast Control and the SAS Swing Lock Cylinder increase the driver confidence and generate overall higher productivity.



A choice of 2 Toyota diesel engines is available depending on your power requirements



Toyota LPG engines provide reliable productivity and power

TONERO Productivity Package

For operations which require frequent reversing and driving on uneven surfaces, the Toneró+ Productivity formula is a perfect choice. You will thus profit from:

- Hydraulic cushioned forks for smooth drive on uneven floors
- Swivel seat that turns and locks for easier reversing
- Rear assist grip for less operator back strain when reversing

Hydraulic Cushioned Forks

The transportation of light and fragile load on uneven surfaces is facilitated by a damper on the mast.



Rear Assist Grip

Reduces operator back strain, enhancing reverse travel comfort and productivity.



Swivel Seat

Driver comfort contributes to higher productivity. The operator has the possibility to swivel the seat of the Toneró to the right and lock it, which gives better visibility when driving in reverse. The seat also swivels to the left making it easier to get on and off the truck.







Built-in durability and reliability

A product is truly valuable when its quality stands the test of time and when the cost of operation over the whole product life cycle brings economic advantage. The Tonerero family not only reflects the traditional quality, durability and reliability of Toyota forklifts, but also contributes to a lower cost of ownership.

Quality guarantee – part of the Toyota DNA

Quality is undoubtedly rooted in our genes. Our trucks respect the label of quality imposed by our inherited Toyota Production System (TPS) working philosophy. Our factories are certified and comply with the requirements established by ISO 9001. The key components of our trucks are developed, manufactured and carefully selected through extensive testing by Toyota.

According to TPS, Toyota carefully selects its components and rigorously:

- checks parts at delivery
- checks parts during assembly
- checks products before final delivery to customers



Robust steel exterior

Built for maximum uptime – even in the harshest conditions

The Tonerero has a strong metal chassis designed to resist in the heaviest applications and the most challenging environments.

The Toyota Tonerero brings water-proof efficiency in dusty, humid, wet working conditions.

The industrial engine benefits from higher cooling capacity which triggers longer engine life.

Easy serviceability

To enable quick maintenance, the service parts, the engine hood, the floor plate and industrial engine have been developed for easy access.



Easy access to key components

TONERO+ Durability

For heavy-duty applications with or without attachments, in harsh, dusty environments, the Tonerero+ Durability package protects your investment. Enjoy the advantage of having:

- A plate fin radiator
- High speed fan
- A hydraulic oil cooler

High Speed Fan

The high-speed rotation fan increases air flow through the radiator, for cool running.



Driveability matters

Understanding that ergonomics and productivity go hand in hand, the Toyota Tonero family places the comfort and the well-being of the driver in focus.

Long term comfort

By considering the operator's needs at every stage of design, Toyota Tonero has been built as a comfortable work space to allow room for productivity.

- Large access window, low step-in height and large assist grip for quick entry and exit.
- Spacious floor area with comfortable pedal layout.
- Fully adjustable ORS (Operator Restraint System) seat equipped with lumbar support for optimal comfort and a seat belt for extra safety.
- Unique combination of a small diameter steering wheel with Active Steering Synchronizer for reduced fatigue and quick, easy turns.
- Low noise level and truck vibration.
- Various cabin options available to suit all weather conditions.

Clear-cut design

The straight counterweight design helps the driver to assess the rear truck dimensions precisely for maximum confidence while manoeuvring.

Drive feeling preference

To meet expectations and operator preference, Tonero is available with Torque Converter transmission or Hydrostatic transmission as well as Toyota's renowned Optimax system.



Low step in



Large floor space



Mechanical levers



Steel cabin

TONERO Driveability

This formula adds extra comfort for your driver in intensive use applications. With it, the driver benefits from:

- Choice of mini-levers or multifunction levers with the forward/reverse directional control integrated into the armrest
- Telescopic steering wheel

Multifunction Levers

The operators can perform multiple handling functions while keeping a cosy position.



Mini-levers

Ensure a perfect fingertip control of all handled material. Small and easy to use, integrated in the armrest.



Telescopic Steering Wheel

It adjusts up or down to the perfect position for any driver.





Transmission is a matter of driver preference

Every forklift driver is different and adopts a very personal driving style and equipment preference. To personalise your material handling experience, the Toyota Tonero forklift trucks give you the freedom to choose the transmission that suits you best.

If you are looking for:

- Powerful acceleration
- Smooth overall driving feeling
- Possibility to coast
- Easy direction change
- Single speed without gearshift
- Precise load handling
- Effortless load handling with the Tonero Optimax option

➤ then the **torque convertor** transmission is what you need



Standard pedal layout



Direction change by lever located at armrest or steering column, also possible with D2 drive pedal

If you are looking for:

- Powerful engine braking and acceleration
- Pre-set driving parameters (performance/comfort/eco)
- Quick change of direction
- Independent lift and drive functionality
- Effortless load handling
- Electrical parking brake, and maintenance-free wet disk brake
- Stop-on-ramp

➤ then the **hydrostatic** transmission is for you



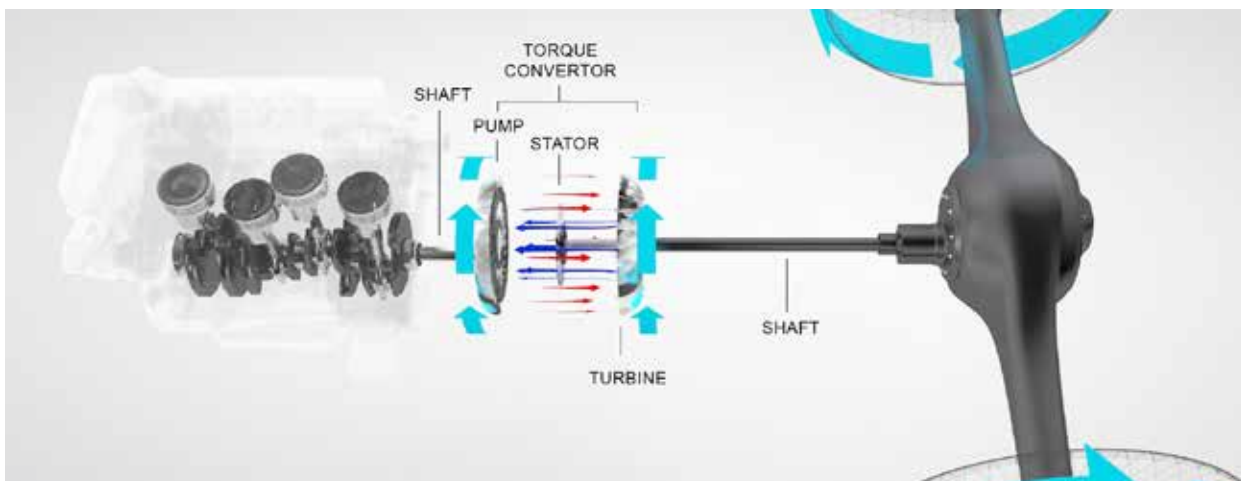
Double accelerator pedal layout



Drive mode selector (H-P-S) to easily personalise the acceleration and the auto-braking effect for each operator's preference

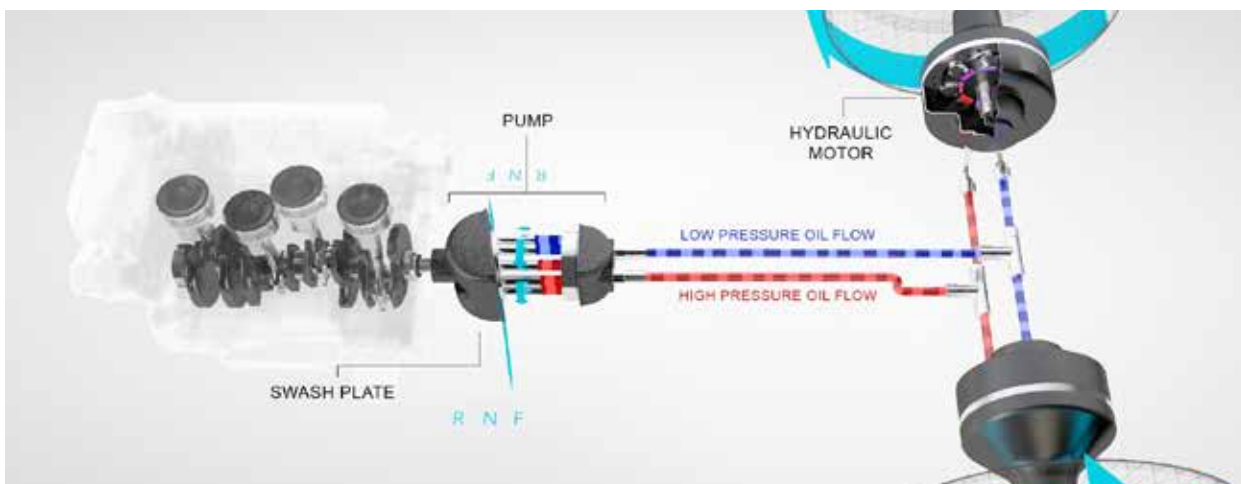
How the torque convertor transmission works:

The engine drives the pump of the torque converter, which provides fluid coupling between engine and drive shaft. The torque converter multiplies the engine power and brings that power to the front wheels by the use of gears. A pedal operated inching function disconnects the fluid coupling and allows the truck to hold still.



How the hydrostatic transmission works:

The engine drives the hydraulic pump. A swash plate allows hydraulic flow. In neutral position, the truck is held stationary. The hydrostatic transmission transforms engine power into hydraulic power by providing fluid coupling between the engine and hydraulic motors on the front wheels. This allows the truck to begin motion.





Our Commitment to the Environment

As a manufacturer with production sites in 3 countries and a service provider in more than 30 countries, our core responsibility is to create products, services and solutions that positively influence our customers, our partners' business, the material handling industry and European society.

We continuously innovate and improve our equipment and processes to limit environmental impact in the four life cycle stages of the product: design, manufacturing, operation and recycling. We aim to minimise the overall environmental footprint, optimise people's skills and processes, and maximise safety, quality and performance.

99% recyclable

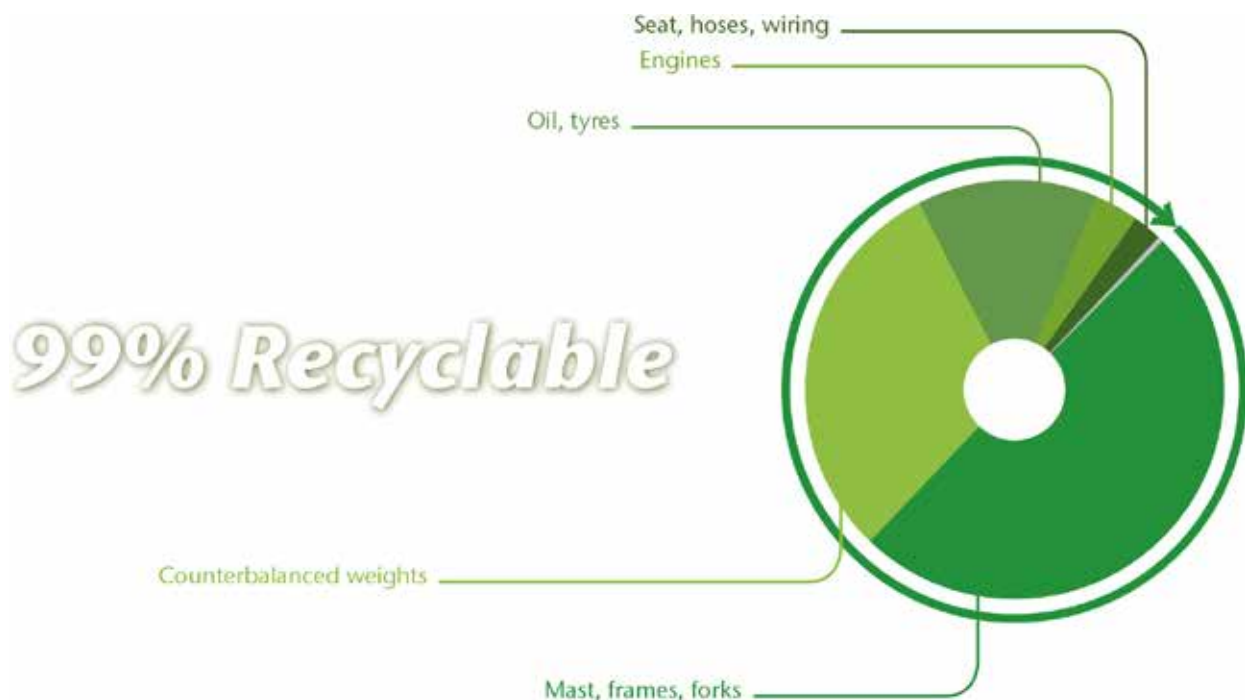
That's right, Toyota engineers have designed a truck that is 99% recyclable, reducing end of life disposal impact to an absolute minimum. Asbestos, mercury and cadmium have been totally eliminated, while the quantities of lead and hexavalent chromium have been dramatically reduced.

Manufacturing Standards

Our forklift trucks are produced in ISO 14001-certified factories, ensuring minimum impact on the environment. The end of life disposal impact has been reduced to an absolute minimum.

Greener through continuous optimisation of engines

The Toyota Tonero trucks are fitted with new 1DZIII-36Kw Diesel engines. This new engine offers optimized fuel consumption and CO₂ emissions while perfectly fitting the most demanding applications.



Material Handling for Europe

Over the years, Toyota has developed a strong European presence, establishing close geographic links with its customers in order to better respond to their needs. With operations in more than 30 countries, Toyota Material Handling Europe (TMHE) has European Office functions based in Ancenis (France), Bologna (Italy), Brussels (Belgium) and Mjölby/Linköping (Sweden) and production centres in Ancenis, Bologna and Mjölby.

A stronger network

Each of our marketing and sales companies is strategically located to offer optimal market coverage and service convenience to keep customers' businesses running smoothly. Wherever customers are located in our vast coverage area, they can be sure of receiving consistent and high-quality products and services.

Toyota Material Handling Group Worldwide N° 1

Toyota Material Handling Group is the materials 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 aims to bring customers the best materials handling products and services on the market.

Toyota Production System

The Toyota Production System (TPS) empowers team members to optimise quality by constantly improving processes and eliminating unnecessary waste of resources. TPS includes a common set of knowledge, values and procedures, entrusts employees with well-defined responsibilities in each production step, and encourages each staff member to strive for overall improvement.

Today, TPS is the acknowledged reference among automotive manufacturers and related industries. Our methods enable businesses to achieve sustained gains in productivity while satisfying customer expectations for quality and reliability.

AUSTRIA - BELARUS - BELGIUM - BULGARIA - CYPRUS
CZECH REPUBLIC - DENMARK - ESTONIA - FINLAND
FRANCE - GERMANY - GREECE - HUNGARY
ICELAND - IRELAND - ITALY - LATVIA - LITHUANIA
LUXEMBOURG - MALTA - NETHERLANDS - NORWAY
POLAND - PORTUGAL - ROMANIA - RUSSIA - SLOVAKIA
SLOVENIA - SPAIN - SWEDEN - SWITZERLAND
TURKEY - UKRAINE - UNITED KINGDOM





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.

Service solutions

Our service commitment combines the benefits of technology and our global expertise, experience and resources. We offer different levels of service contracts, genuine Toyota and BT parts and a complete range of driver training courses.

Rental solutions

The truck you need, when you need it. Toyota rental solutions offer flexible, responsive and economical solutions. You can rent a single hand pallet truck or a complete fleet, from one day up to seven years.



Toyota Service Contracts

Used truck solutions

Sometimes a used truck is the best option for your operation. Our Approved Used Trucks label offers confidence, peace of mind and full access to our rental and service solutions.

Toyota I_Site – more than fleet management

Toyota I_Site is the perfect tool to visualise vehicle status, driver performance and overall productivity in your material handling operation. This web-based service is accessible whenever and wherever you need it. Toyota I_Site comes with the support of dedicated and certified Toyota experts, helping you to get the most out of your truck fleet with individual support and personal advice. This makes Toyota I_Site a powerful solution for exploring and realising improvements in several essential areas: overall costs, productivity, health and safety and environment.



Toyota I_Site

Choose the features that suit your needs

Safety	Standard	TONERO[®]	Option
Low dashboard and relocated display	x		
ORS seat with sidewings and seatbelt	x		
SAS swing lock cylinder	x		
SAS mast front tilt angle limiter	x		
SAS mast rear tilt speed limiter	x		
SAS fork levelling	x		
SAS steering synchroniser	x		
SAS key lift interlock	x		
OPS system	x		
Maximum drive speed reduction with lifted load		x	
Acceleration reduction with lifted load		x	
Maximum drive speed setting		x	
Load weight Indicator		x	
Flashing beacon			x
Back-up buzzer			x
Panoramic mirror			x
Productivity	Standard	TONERO[®]	Option
Toyota Electronic Fuel Injection System on Toyota Engines	x		
Car pedal layout (accelerator and brake)	x		
Inching pedal	x		
Swivel seat and rear assist grip		x	
Hydraulic cushioned forks for driving on uneven floors		x	
Hi-speed hi-torque version (+20km/h)			x
12V power supply			x
Driveability	Standard	TONERO[®]	Option
Low and wide step	x		
Large driver assist grip	x		
Slimline steering column	x		
Large floor area in cab	x		
Small steering wheel diameter	x		
Adjustable steering column angle	x		
Digital displays for easy of reading operational parameters	x		
Lower noise of engine and drive train	x		
Lower vibration of engine and drive train	x		
Foot operated parking brake	x		
Adjustable steering column height (telescopic)		x	
Choice of 2 types of materials handling controls: mini-levers, multifunctional levers		x	
Fabric seat			x
Fully enclosed cabins for comfort in outdoor elements			x
Fully enclosed Deluxe cabins for extra comfort in outdoor elements			x
Optimax			x
Hydrostatic transmission			x
Durability	Standard	TONERO[®]	Option
Rugged exterior body	x		
Increase use of waterproof connectors	x		
Electronic Control Units enclosed in a sealed box	x		
Dusty environment specification:		x	
- Plate fin radiator		x	
- High speed fan		x	
- Hydraulic oil cooler		x	
Dual cyclone air cleaner			x
Fully oil charged lift cylinder			x
Anti rust rollers			x
Environment	Standard	Option	
Diesel engine complying with the EC emission regulation for non-road mobile equipment	x		
Elimination of use of asbestos, cadmium and mercury in truck	x		
Toner is 99% recyclable	x		
Toyota factory ISO 14001	x		
Diesel Particulate Filter (DPF II)		x	
Catalytic muffler for Diesel engines		x	
3-way catalytic muffler for LPG engines		x	



Main specifications

Model	8FGF15	8FGF18	8FGKF20	8FGF20	8FGF25		8FGF30	8FGJF35	
	8FDF15	8FDF18	8FDKF20	8FDF20	8FD20F	8FDF25	8FD25F	8FDF30	8FDJF35
Engine Model	4Y 1DZ-III	4Y 1DZ-III	4Y 1DZ-III	4Y 1DZ-III	- 1DZ-III	4Y 1DZ-III/3Z	- 1DZ-III	4Y 1DZ-III/3Z	4Y 1DZ-III/3Z
Transmission type	TC	TC	TC	TC	HST	TC	HST	TC	TC
Load capacity (kg)	1500	1750	2000	2000	2000	2500	2500	3000	3500
Load center (mm)	500	500	500	500	500	500	500	500	500
Maximum lift height (mm)	7000	7000	6000	7000	6500	7000	6500	7000	7000
Travel speed full load (km/h)	18.5 18	18.5 18	17 17	17.5 19	- 19	17.5 18.5/19	- 19	18.5 16.5/18	19 16.5/19
Travel speed no load (km/h)	19 18.5	19 18.5	17.5 17.5	18 19.5	- 19	18 19/19.5	- 19	19 16/18.5	19.5 17/19.5
Lifting speed full load (mm/sec)	665 650	665 650	600 580	600 665	- 560	600 615/665	- 560	510 440/550	425 450
Lifting speed no load (mm/sec)	680 675	680 675	640 600	640 700	- 600	640 655/700	- 600	550 470/570	450 475
Turning radius (mm)	1990	2010	2040	2200	2200	2280	2280	2430	2490

The complete Toyota Tonero range

The Toyota Tonero is a complete family of engine powered counterbalanced trucks ranging from 1.5 ton to 8.0 tons. With industrial engines, unmatched stability and outstanding all-round visibility, this range fulfils the most varied of material handling functions.

The Toyota Tonero range is a guarantee for maximum productivity, safety, durability, driveability and environmental performance. All Tonero models have the unique Toyota System of Active Stability (SAS) as a standard.





TOYOTA

MATERIAL HANDLING



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TOYOTA MATERIAL HANDLING EUROPE, MANAGING THE TOYOTA AND BT MATERIALS HANDLING BRANDS IN EUROPE.