

3.5 - 8.0 tons
Engine Powered Forklifts





8FD35N

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.

The Toyota Toner 3.5 to 8.0 tons are fitted for intense application. They can handle heavy loads safely and efficiently.

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.



8FD35N



8FG45N



8FD70N

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.

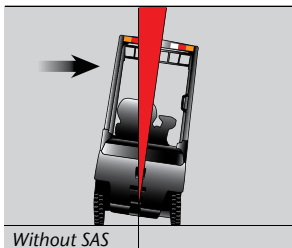
SAS – perfect balance for vehicle and loads

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.

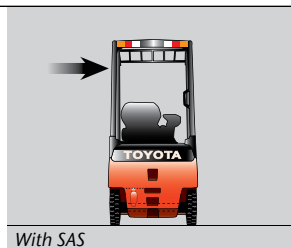


Driver safety systems

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



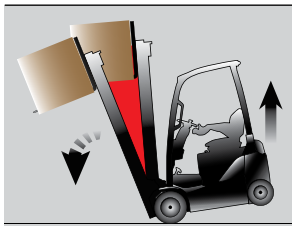
With SAS

More lateral stability

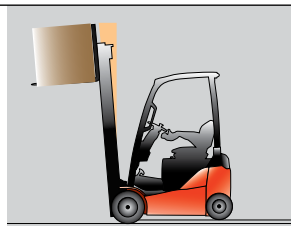
The SAS Swing Lock Cylinder helps to reduce the risk of lateral tip-overs: when the vehicle turns, it reacts immediately by locking the rear axle.



Swing Lock Cylinder



Without SAS



With SAS

Maximum mast control

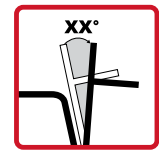
The SAS Mast Function helps to prevent loads from slipping/falling and the truck from tipping over by activating two vital functions:

1) Front Tilt Angle Regulator

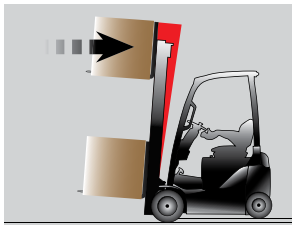
which senses the load weight and mast height and automatically overrides the operator's manual control to limit forward tilt;

2) Front and Rear Tilt Speed Regulator

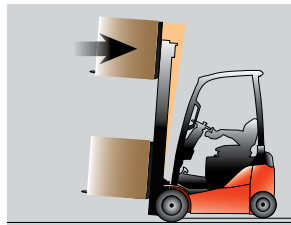
which controls the mast tilting speed at height and increases protection on the driver cabin in case of loads dropping.



Mast Front Tilt Angle Control



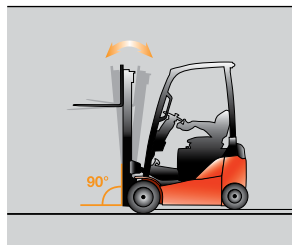
Without SAS



With SAS

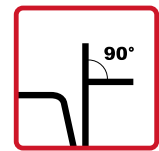


Mast Rear Tilt Speed Control

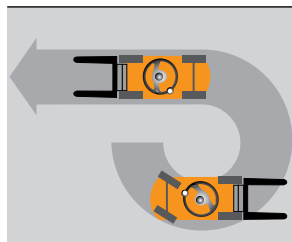


Secure stacking and loading

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.

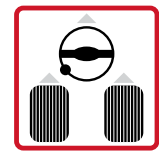


Fork Levelling Control



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 Toner offers superb

all-round visibility: In all applications when driving and when handling loads from the ground over loading and unloading up to stacking 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.



Rear visibility

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

Strong chassis and frame

The Toner 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 in case of accidents of goods falling down. A horizontal bar protects the cooling radiator at the back of the truck.



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 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. Highly reliable when handling heavy loads, its compact chassis allows for safe and precise manoeuvring, raising productivity in your various applications.

Outstanding Toyota tradition for high quality, power and efficiency

The Toyota Toneró's power train (engine, torque converter and transmission) designed and manufactured by Toyota, is built to lift productivity and efficiency to the next level. The engine, the heart of our trucks, has been specifically built for industrial application purposes. The automatic single speed transmission facilitates high travel speed without gear change, while the dual stage torque convertor enables a high starting force. All these features also greatly contribute to lower fuel consumption and CO₂ emission level. On top of it, the Toyota Toneró also comes with a variable displacement pump that supplies only the necessary amount of oil for various material handling functions. Whether in light or heavy loads handling, the oil is not used in excess at any time, which leads to energy efficiency and optimised consumption. The same goes for the load sensing power steering that manages the oil flow in the steering process.

System of Active Stability (SAS) lifts up your productivity

The SAS Fork Leveling Control ensures a quicker positioning of pallets, contributing to time-efficiency and less damage to goods or the equipment. The SAS Active Mast Control and the SAS Swing Lock Cylinder increase the driver confidence and generates overall higher productivity.

Purpose-built industrial engine

All Toyota engines are made in-house, continuing a long tradition for quality and long-term reliability. The Toyota Toneró engines are designed for industrial applications and bring great benefits depending on your requirements in different applications.

The efficient Toyota 1KD common rail fuel injection engine with variable nozzle turbocharger offers high power and torque at low engine speed, enabling powerful acceleration, drive and lift speed. These compact and reliable engines offer optimised fuel injection and better combustion, leading to a lower fuel consumption than the Stage IIIB regulation requirements and a decrease in the CO₂ emissions.

The robust, durable and compact LPG/gasoline Toyota 1FS engine has electronic fuel injection and ignition without distributor. This brings optimised control of ignition timing, and improves the truck performance when driving and lifting. It also optimises fuel efficiency and engine emissions.

Options to drive performance

The Toyota Toneró can further be optimised with a range of individual choices: choose your pedal layout, material handling controls, and direction change system to increase your productivity. The Toneró also comes with a set of cabin options to enhance comfort and productivity in tough working conditions.



Toyota 1FS LPG/Gasoline engine



Small steering wheel and easy-to-operate material handling levers



D2 pedal layout



Minilevers with integrated fork levelling button

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.





Toyota 1KD common rail diesel engine



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 Toner 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:

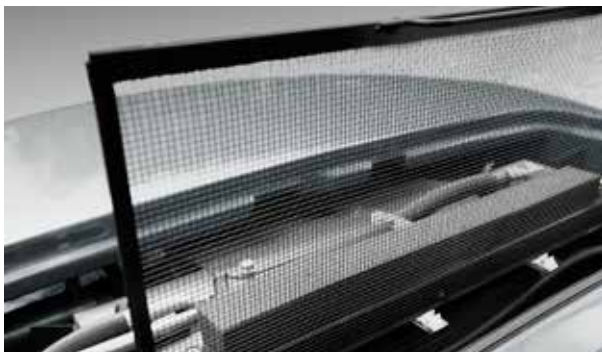
- checks parts at delivery
- checks parts during assembly
- checks products before final delivery to customers



Robust steel exterior for increased durability.

Built for maximum uptime – even in the harshest conditions

The Toner has a strong metal chassis designed to resist in the heaviest applications and the most challenging environments. The Toyota Toner brings water-proof efficiency in dusty, humid, wet working conditions. The industrial engine benefits from higher cooling capacity and a fully sealed air intake which triggers longer engine life.



The radiator screen filter protects the radiator from dust and is easily accessible for cleaning..

Easy serviceability

For quick and easy maintenance, the engine hood and floor plate are easily removable to access the industrial engine, filters and other parts that need servicing.



Easy access to key components for easy maintenance.

Highly efficient cooling

The Toner range comes with high efficient cooling that preserves a long life time for the engine, torque convertor and hydraulic system. The fan, radiator, integrated torque convertor cooler and hydraulic oil cooler prevents engine overheating. Thus, performance is kept to a maximum.



The fan, radiator, integrated torque convertor cooler and hydraulic oil cooler prevent engine overheating. Thus, performance is kept to a maximum.

When working in dusty environments or with heavy attachments, the truck can be fit with options that increase its cooling efficiency or that avoid potential clogging of the radiator.

Driveability matters

Understanding that ergonomics, productivity go hand in hand, the Toyota Tonero family places the comfort and the well-being of the driver in focus. By considering the operator's needs at every stage of the design, the Toyota Tonero has been built as a comfortable working space that invites productivity.

Get onboard

The large access window, low step-in height and large assist grip allow for easy entry and exit on both sides of the truck. The spacious floor area with comfortable pedal layout and fully adjustable ORS (Operator Restraint System) seat equipped with lumbar support offer optimal comfort. The Toyota Tonero benefits from a unique combination of a small diameter steering wheel with the SAS Active Steering Synchronizer for reduced fatigue and quick, easy turns.

Driving comfort

The large wheels increase driveability on uneven ground, creating a smooth ride. The low noise level and low truck vibration make working more comfortable. The load-sensing pump manages the oil flow for the power steering according to the load weight, and brings low-effort steering and increased operability.

The informative display is easy to read and gives information about key parameters. The optional multifunction display allows for more parameter settings and functions such as eco-mode and engine auto stop.

This product range offers various cabin options to suit all-weather conditions. The Deluxe cabin, for instance, proposes high comfort seat, heater and superb visibility.

Clear-cut design

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



Easy entry and exit with large step and assist grip



Fully adjustable ORS seat



Multifunction display with eco-mode



Fully enclosed steel cabin

Mini-levers

Ensure a perfect fingertip control of all handled material. Small and easy to use, integrated in the armrest. Standard with easy to reach horn button for safer operation.



Multifunction Levers

The operators can perform multiple handling functions while keeping a comfortable position. Standard with easy to reach horn button for safer operation.



Telescopic Steering Column

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



LED lights

The operator has a clear view of the working environment and saves energy.





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 with the new eco-friendly engines

The Toyota Toner diesel engines comply with the latest emission regulation Stage IIIB, they perform better than the required level. The Toyota 1KD engine is fitted with a Diesel Oxidation Catalyst (DOC) and an Exhaust Gas Recirculation (EGR) valve and cooling to keep emission substances at a minimum.

The new Toyota industrial engines are well below the soot level set by the European Emission Regulation without the need of a Diesel Particulate Filter (DPF) which would require additional maintenance.

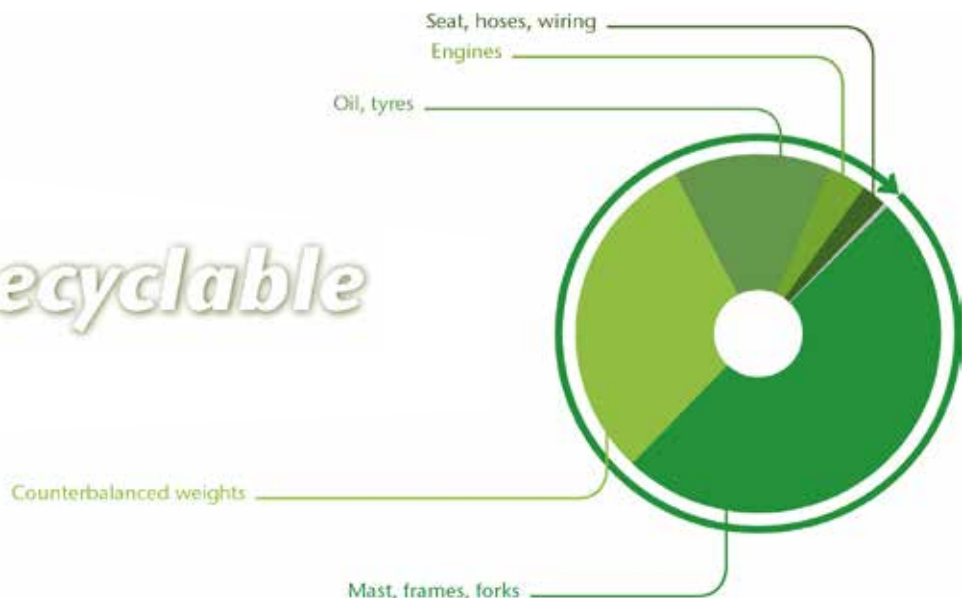
The Toyota LPG/Gasoline engines are clean engines that can be fitted with a three-way catalyst to limit emissions further.

Both engines have low fuel consumption and thus a low CO₂ emission level.

Fuel savings through innovations

- A new generation of diesel engines with common rail fuel injection and variable nozzle turbo charger for low fuel consumption and CO₂ reduction
- A new generation of LPG/Gasoline engines without distributor and electronic fuel injection contributing to low fuel and CO₂
- Load sensing power steering that engages the right level of power
- Variable displacement pump supporting further fuel consumption reduction and supplying high power when lifting at low RPM
- High efficient dual stage torque convertor transmission
- Eco-mode setting to optimize fuel efficiency through adapted acceleration speed
- Engine auto-stop to power-off the truck automatically when not in use

99% Recyclable



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.

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.

Choose the features that suit your needs

Safety	Standard	Option
Low dashboard and relocated display	x	
ORS seat with side wings 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 setting		x
Low driving speed setting		x
Load weight indicator		x
Over speed alarm		x
Flashing beacon		x
LED working lights		x
Back-up buzzer		x
Rear view mirror		x
Productivity	Standard	Option
Toyota 1KD diesel engine with common rail fuel injection	x	
Toyota 1FS LPG/gasoline engine with electronic fuel injection	x	
Dual stage torque convertor	x	
Car pedal layout (accelerator and brake)	x	
Inching pedal	x	
Variable displacement pump	x	
Load sensing power steering	x	
Swivel seat and rear assist grip		x
Eco-mode setting		x
Engine auto stop		x
12V power supply		x
Driveability	Standard	Option
Low and wide step	x	
Large driver assist grip	x	
Slim line steering column	x	
Large floor space	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	
Materials handling controls: mini-levers, multifunctional levers		x
Fabric seat		x
Air suspension seat		x
Fully enclosed cabins for comfort in outdoor elements		x
Fully enclosed Deluxe cabins for extra comfort in outdoor elements		x
Durability	Standard	Option
Toyota engines specifically designed for industrial applications	x	
Robust frame with one piece stamped side panels	x	
Water proof connectors	x	
Electronic Control Units enclosed in a sealed box	x	
Full floating power train mounting	x	
High engine cooling capacity	x	
Hydraulic oil cooler	x	
Torque convertor oil cooler	x	
Easy to clean radiator screen	x	
Tilt cylinder boots	x	
Dusty environment specification:		x
- Plate fin radiator		x
- High speed fan		x
Transmission protection system		x
Dual cyclone air filter		x
Environment	Standard	Option
Diesel engine complying to Stage IIIB -EC emissions regulation for non road mobile equipment	x	
Diesel engine with exhaust treatment by DOC and EGR	x	
Low fuel consumption	x	
Elimination of use of asbestos, cadmium and mercury in truck	x	
Toner is 99% recyclable	x	
Toyota factory ISO 14001	x	
3-way catalytic muffler for LPG engines		x



Main specifications

Model	8FG35N	8FG40N	8FG45N	8FG50N	8FD60N	8FD70N	8FD80N
	8FD35N	8FD40N	8FD45N	8FD50N			
Engine Model	1FS 1KD	1FS 1KD	1FS 1KD	1FS 1KD	1KD	1KD	1KD
Load capacity (kg)	4000 (3500)	4500 (4000)	4990 (4500)	5000	6000	7000	8000
Load center (mm)	500 (600)	500 (600)	500 (600)	600	600	600	600
Travel speed full load (km/h)	23 23	23 23	23,5 23,5	23,5 23,5	19	19	19
Travel speed no load (km/h)	24 24	24 24	24 24	24 24	21	21	21
Lifting speed full load (mm/sec)	560 560	560 560	480 480	480 480	390	380	360
Lifting speed no load (mm/sec)	570 570	570 570	500 500	500 500	420	420	420
Turning radius (mm)	2610	2660	2750	2810	3230	3280	3320

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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