

TOYOTA  
**TTAIGO<sup>80</sup>**

2.0-3.5 tons  
Electric Powered Forklifts



  
**VOLLEBREGT**  
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**TOYOTA**

MATERIAL HANDLING

stronger together



8FBMT25

## More productive, safer and more energy efficient than ever

Introducing the new Toyota Traigo 80, with load capacities ranging from 2.0 tons up to 3.5 tons

The new Toyota Traigo 80 completes the Toyota Traigo range of electric counterbalanced forklifts. It is the result of an intense and continuous collaboration between Toyota and its customers. Through daily contact with experts, the most experienced drivers, warehouse managers and business owners from all over Europe, our engineers and design team have created a new response to everyday demands in a wide field of applications. The Toyota Traigo 80 incorporates proven technology and is a new solution for modern material handling challenges.

The fruit of unique collaboration, this 80-volt forklift sets a new standard for productivity, reliability, stability, safety, driveability, operating time and overall cost efficiency.

But no operator, warehouse or business challenge is the same. That is why Toyota Traigo 80 comes with a wide range of chassis, masts and options to fit your individual needs. It can also be fitted with your choice of battery management.



8FBMKT20



8FBMT25



8FBMT35

# World Class Safety

As always with Toyota, safety comes first. Traigo 80 is no exception. It utilises world-leading features and technologies to protect driver and goods, including Toyota's unique System of Active Stability (SAS). This means that safety comes together with reduced costs and increased productivity.

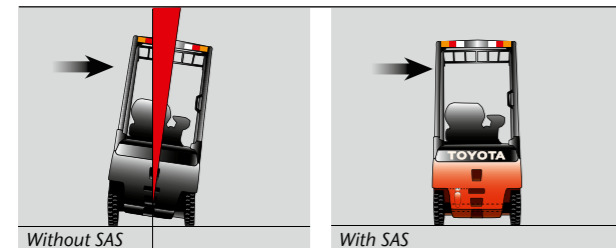
## SAS – providing unique stability of vehicle and loads

Toyota's SAS is an exclusive technology designed to actively enhance forklift safety. By protecting both the operator and load when driving, turning and lifting, SAS provides advanced technological support for safe operating practices.



## Driver safety systems

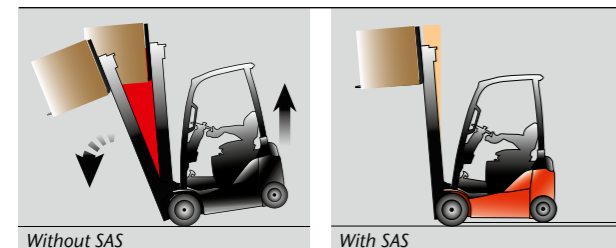
In addition, Traigo 80 comes with Toyota Operator Presence System (OPS). It is a system that senses whether an operator is in the correct driving position. If not, the truck cannot be operated. An optional PIN code access system grants access to authorised drivers only. A programmable maximum drive speed setting also helps to enhance safety.



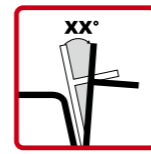
**More lateral stability**  
If the SAS Active Control Rear Stabiliser system senses instability when the vehicle is turning, it immediately reacts by locking the rear axle, helping to reduce the risk of lateral tip-overs.



Swing Lock Cylinder



**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:



Mast Front Tilt Angle Control

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.

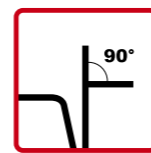


Mast Rear Tilt Speed Control

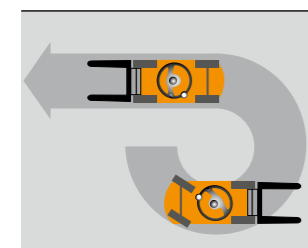
2) **Active Mast Front and Rear Tilt Speed Control** – limits the mast tilting speed at height, helping to prevent loose loads from dropping onto the driver's cabin.



**Easier stacking and loading**  
SAS Fork Levelling Control ensures quicker positioning of pallets and helps to prevent 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.



Fork Levelling Control



**Safer manoeuvring**  
The SAS Active Steering Synchroniser 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.



Active Steering Synchroniser

## Class-leading visibility

Maximising visibility is one of the most important means to increase safety and minimise accidents. Get on board the Traigo 80 and you will notice the perfect all-around visibility. From the fork tips, through the mast – looking up – and behind. Traigo 80 offers a wide range of masts and lift heights allowing to choose the best mast for your operation and operator visibility.

### 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.

## TRAIGO 80+ Safety package

With the Traigo 80+ formula, you can easily optimise your Traigo 80 for an even higher level of safety.

### Horn in armrest

This allows fast and effortless activation of the horn by simply pressing a yellow button conveniently located within the armrest.



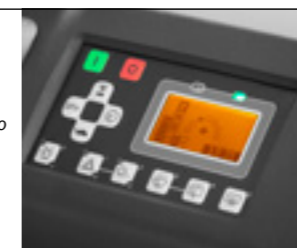
### Speed and Acceleration Control with Load at Height

Toyota technology helps avoid potentially dangerous situations by progressively limiting the drive speed with load at height, and controlling sudden acceleration in order to reduce the risk of load spills.



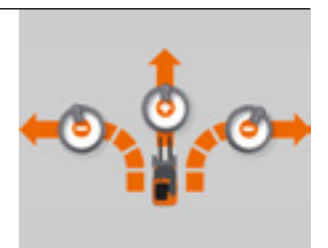
### Multifunction display deluxe

A smart multifunction display providing all necessary information for the driver. The deluxe display also includes the load weight indicator and mast tilt indicator.



### Speed reduction when cornering

This function automatically reduces speed when cornering, increasing truck control and preventing impacts with other vehicles and pedestrians.



# Longer, faster, higher

**Toyota Traigo 80 is an excellent vehicle for productivity improvements in your operations. It combines vertical and horizontal speed with outstanding acceleration and brake performance. It is a joy to drive and work with. A swift, smooth and precise way to cut down costs and increase your profits.**

### Compact and manoeuvrable

The design of the Traigo 80 allows for easy use in the tightest situations for maximum productivity. This means that Traigo 80 is as effective indoors within pallet racking as it is outside in the yard or in a loading bay.

### 20% higher energy efficiency

The new Toyota Traigo 80 is an industry benchmark for combining energy efficiency with productivity. It can run up to 20% longer than its predecessor and is one of the most energy efficient trucks in its class.

### AC Technology

The Toyota 80-volt motors and controllers have been developed for full compatibility, thus delivering maximum performance, and offering increased efficiency. The controller also optimises the performance of the motors, ensuring constant operation regardless of the load weight even when the battery energy is low. Every time the truck decelerates when releasing the accelerator (“accel-off” function) or the brakes are applied, energy is regenerated and reused to extend the working hours of the battery before recharging is required.

### Faster when travelling

Smooth and rapid acceleration and a high top speed makes Traigo 80 a fast horizontal performer. The driver can choose from three different power settings depending on the mode of operation. Standard ‘S’ mode ensures a minimal level of energy consumption,

while high power ‘H’ mode gives maximum performance. Power ‘P’ mode gives the optimum balance between the two.

### Raising the bar for vertical performance

Smooth, accurate and fast. Toyota Traigo 80 raises the bar for vertical performance, and thereby productivity. It offers high speed lift and lowering functions and the option of presetting three different heights. This allows significantly higher productivity when working in repetitive patterns.

### Multiple choices for energy management

For applications requiring multiple shift operation, the Traigo 80 offers a choice of battery management solutions. You can have it with either built-in sliders for electric battery extraction – or with fork pockets under the battery for fast battery switches using a forklift truck.

Traigo 80 also offer battery solutions allowing multi shift operation without battery exchange.



Battery side extraction

## TRAIGO<sup>80+</sup> Productivity Package

The Toyota Traigo 80 with AC technology is designed for long working hours. But if your operation requires frequent reversing and driving on uneven surfaces, the Traigo 80+ Productivity formula can deliver even higher productivity.

### Hydraulic dampening

With the hydraulic cushioned forks or hydraulic accumulator the damper on the mast enables the Traigo 80 to increase productivity when carrying light or heavy loads on uneven surfaces.



### Swivel Seat

Comfort increases productivity. The operator can swivel the Traigo 80 seat to the right and lock it, for better visibility in reverse. The seat also swivels to the left, making it easier to get on and off the truck.



### Rear Assist Grip

Enhances reverse travel comfort and productivity by reducing operator back strain.





## Built-in reliability

**The Traigo 80 is the partner you and your business can trust. It comes with uptime-enhancing quality in every detail, built in from the start. Everything from its rugged body design, engineering, materials and finish stand for solid quality, leaving you to enjoy the benefits, with longer service intervals and reduced service costs. It is made to be counted on, day in, day out, in tough conditions.**

### Strength through design

The truck has been designed, engineered and built in a Toyota factory, with the use of Toyota-manufactured parts and components. The world-renowned Toyota Production System (TPS) means rigorous quality-assurance checks throughout the manufacturing process. The robust design uses metal parts only to make sure it endures and delivers top performance even in the toughest conditions.

### Extended service intervals

The Traigo 80 reduces the need for maintenance. The brush-free motors and controllers require a minimum of scheduled maintenance, with longer intervals. The wet, oil-immersed brakes are virtually maintenance-free. All components are easily and straightforwardly accessed, allowing for fast service and maximised uptime. The on-board diagnostics helps the driver to pinpoint any faults or errors immediately.



Rugged steel exterior



Easy access to key components

### TRAIGO 80+ Durability package

Your Toyota 80 is built for durability, but if you want to maximise protection, you can have it equipped with the Toyota Traigo 80+ formula.

#### **Fully oil charged lift cylinder:**

Protection of lift cylinder against rust.

#### **Shockless landing lift:**

Cushioned impact when forks are lowered to ground level.

#### **Drive unit protector:**

Increased protection level of the drive unit.



# Maximised driveability means maximised potential

**If you want to cut costs: start with providing your operators with the optimum tools. The new Traigo 80 continues a proud family tradition by being built with the driver in focus, understanding that ergonomics and comfort reduce fatigue and increase productivity.**

## Higher comfort – better performance

The Traigo 80 features easy access from both sides of the vehicle through a low in-step and a large step size, all integrated in the smart, spacious and modern cab.

Once inside the cab you will notice the fully adjustable armrest with intuitive minilevers. Operation is performed with a minimum fingertip effort and maximum sense of ease and control. The driver has the benefit of a fully adjustable Operator Restraint System (ORS) with side-wings and lumbar support, along with an adjustable steering column.

Traigo 80 also features easy to reach storage compartments.

An extensive offer of cabin options provides weather protection, increased comfort and enhanced safety making it easier to take on long shifts both inside the warehouse and in the yard.

## Clear, concise information

Driveability is further enhanced by the multifunction display, built into the dashboard. Key information is available at a glance, with more detailed data available through simple push-button control. Now with optional functions also at your fingertips.

Display information includes:

- Battery discharge indicator
- Digital speedometer
- Steering wheel indicator
- Main drive direction indicator
- Power mode indicator
- Low speed setting (turtle) indicator
- Parking brake indicator
- ‘Operator Presence Sensing’ indicator

The multifunction display is also used to set performance parameters, and to allow fault diagnosis.



Low step height



Minilevers



Steel cabin



Multifunction display

## Pedal layout alternatives

The Traigo 80 is available with different pedal layouts, to suit every individual need and taste.

### Standard pedal layout

This pedal layout resembles a car pedal layout with a wide brake pedal for intuitive operation.



### Double pedal layout

Forward and backward accelerator pedals on each side of the brake pedal allow the driver to change direction with the feet, leaving hands to control material handling functions and steering.



### D2 pedal layout

Forward and backward accelerator pedals on the right side of the brake pedal allow the driver to change direction with one foot, leaving hands to control material handling functions and steering.



# Materials 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.

# Our Commitment to the Environment

**Getting the job done with minimum impact on the environment is a challenge Toyota takes very seriously. The new Traigo 80 forklift demonstrates this commitment. It raises the bar for performance and environmental responsibility in the material handling industry.**

We constantly improve our equipment and processes to limit environmental impact in the four life cycle stages of the product: development, manufacturing, operation and recycling.

### Demanding manufacturing standards

From the start, 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. Asbestos, mercury and cadmium have been totally eliminated, while the quantities of lead and hexavalent chromium have been dramatically reduced.

### 20% reduction of energy consumption with improved performance

We have developed a more efficient Traigo 80 range to meet today's material handling challenges and minimize the footprint in the operation phase.

The energy consumption has been reduced by 20% in high productivity mode compared to its predecessor, whilst its productivity for users and maximum speed has significantly increased.

These achievements will support customers' operational and sustainability objectives.



# 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

<b>Safety</b>	Standard	<b>TRAIGO<sup>80</sup><sup>+</sup></b>	Option
Low dashboard and display	x		
ORS seat with sidewings and seatbelt	x		
Wide brake pedal	x		
SAS swing lock cylinder	x		
SAS mast front tilt angle control	x		
SAS mast front and rear tilt speed control	x		
SAS fork levelling	x		
SAS active steering synchroniser	x		
SAS key lift interlock	x		
Operator Presence Sensing (OPS)	x		
Maximum drive speed setting	x		
Speed reduction when cornering		x	
Maximum drive speed reduction with lifted load		x	
Acceleration reduction with lifted load		x	
Mast tilt indicator		x	
Load weight indicator		x	
Horn in armrest		x	
Emergency push button in armrest			x
Pin code entry system			x
Flashing beacon			x
Back-up buzzer			x
Panoramic mirror			x
Toyota I_Site/ pre-operational check			x

<b>Productivity</b>	Standard	<b>TRAIGO<sup>80</sup><sup>+</sup></b>	Option
AC technology	x		
Car pedal layout	x		
Rear assist grip		x	
Swivel seat		x	
Hydraulic cushioned forks/hydraulic accumulator		x	
Automatic height selector			x
Different types of side out extraction			x
Different types of pedal layout			x
12V or 24V power supply			x
Height selector			x
Toyota I_Site			x

<b>Durability</b>	Standard	<b>TRAIGO<sup>80</sup><sup>+</sup></b>	Option
Wet disc brakes	x		
Rugged exterior body	x		
Maintenance hour meter	x		
Shockless landing lift		x	
Fully oil-charged lift cylinder		x	
Drive unit protection		x	
Shock sensor			x
Rustproof model			x
Cold store model			x
Fisherman spec			x

<b>Driveability</b>	Standard	Option
Mini-levers	x	
Low and wide step	x	
Large driver assist grip	x	
Slimline steering column	x	
Small steering wheel diameter	x	
Adjustable steering column angle	x	
Digital displays for easy reading of operational parameters	x	
Operator Restraint System seat (ORS)	x	
Fabric seat		x
Multifunction levers		x
Fully enclosed cabins for comfort in outdoor elements		x
Higher overhead guard		x

<b>Environment</b>	Standard
No use of asbestos, cadmium or mercury in truck	x
Traigo 80 is 99% recyclable	x
ISO 14001 certification of Toyota factory	x



8FBMT25



8FBMKT20

## Main specifications

Model	8FBMKT20	8FBMKT25	8FBMT25	8FBMTK30	8FBMT30	8FBMT35
Load capacity (kg)	2000	2500	2500	3000	3000	3500
Load center (mm)	500	500	500	500	500	500
Maximum lift height (mm)	6500	6500	6500	6500	6500	6500
Travel speed with/without load (km/h)	19/20	19/20	19/20	19/20	19/20	19/20
Lifting speed with/without load (m/sec)	0,50/0,63	0,46/0,63	0,46/0,63	0,40/0,55	0,40/0,55	0,37/0,55
Turning radius (mm)	1872	2003	2138	2032	2138	2167
Aisle width, pallet 800 x 1200 mm (mm)	3692	3823	3958	3872	3978	4007
Overall width (mm)	1195	1195	1195	1195	1195	1195
Battery voltage/Battery capacity (V/Ah)	80/420	80/560	80/700	80/560	80/700	80/700
Length to fork face (mm)	2140	2284	2429	2334	2449	2479
Height of overhead guard (mm)	2215	2215	2215	2215	2215	2215

### The complete Toyota Traigo range

The Traigo 80 completes the Toyota Traigo range of 24, 48 and 80 Volt electric counterbalanced trucks from 1.0 to 8.5 ton capacity. Fit for all material handling applications and benefitting from user-friendly design and high quality engineering, the Traigo trucks truly maximise productivity, safety, driveability and environmental performance.

All Traigo models have the unique Toyota System of Active Stability (SAS) and AC motors as a standard.







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