TOYOTA 7FBMF 1.6 to 5.0 tons

Electric Powered Forklifts

TOYOTA

MATERIAL HANDLING

stronger together

www.toyota-forklifts.eu

AC²

Raising expectations

TOYOTA 7FBMF electric fork trucks meet a growing customer demand for more performance at every level. In operating power, driver comfort, safety, reliability and all-round productivity.

Available as a complete choice of nine models, with lifting capacities from 1.6 to 5.0 tonnes, the 7FBMF range offers a tailor made solution to a wide variety of application requirements.

Built to be driven
New standards in ergonomic efficiency make Toyota 7FBMF electric fork trucks the preferred choice among even the most demanding drivers.

Important design features within the operator environment include a lower step-in height, a more comfortable driving position with extended legroom, and an ergonomically designed armrest with new-style minilever controls. This is what Toyota term Operator Total Care (OTC).

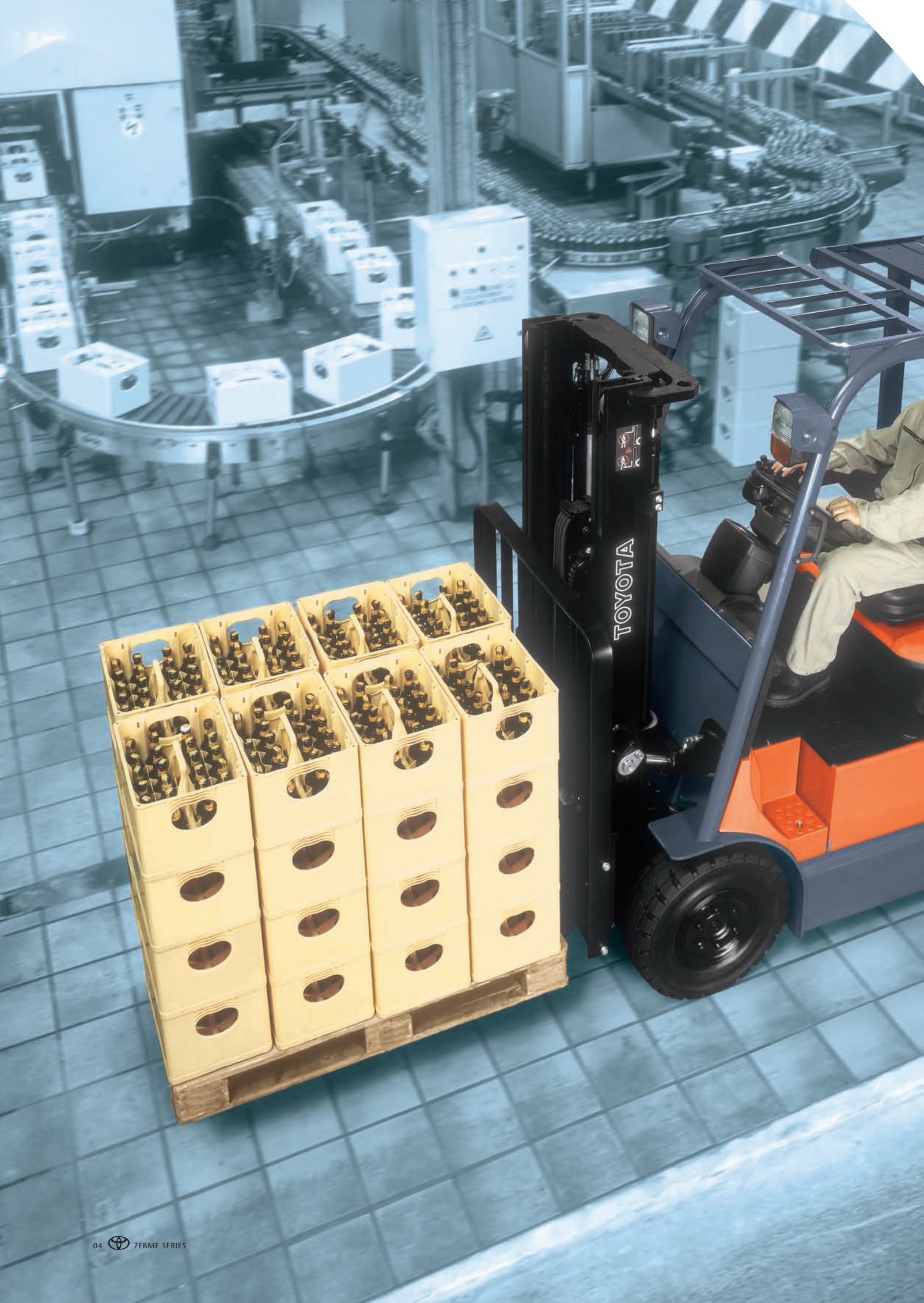
operator total care
OTC

With greater power, better braking and multiple possibilities for fine-tuning performance to match individual operator needs, 7FBMF electric fork trucks are literally built to be driven.

More productivity. Less maintenance.
Significant improvements in operating time and lifting performance make these the most productive trucks around. Equally important, servicing time and costs are dramatically reduced.

With no brushes or contacts to wear out, the exclusive Toyota AC^2 Power System is designed for long-lasting reliability with maximum uptime.

Powerful wet disk brakes significantly improve braking efficiency yet require no maintenance. There's even an on-board diagnostic computer to identify faults and ensure that repairs are made in the shortest possible time.


TOYOTA

Ergonomic excellence

TOYOTA 7FBMF electric fork trucks benefit from many ergonomically-advanced design features and technologies that greatly improve operator efficiency. This in turn helps minimise effort, reduces fatigue and improves productivity.

More driver comfort
Thanks to Toyota's compact AC[2] Power System, the battery in 7FBMF electric fork trucks has been re-located to sit under the cabin floor rather than underneath the driver's seat. This allows a lower step-in height for easier entry and exit, a more comfortable seating and driving position with increased legroom.

New-style minilever controls
The driving position is further improved by a carefully positioned armrest incorporating a series of small, electric proportional hydraulic minilevers that bring key operating controls to the driver's fingertips. These minilevers allow much smaller arm movements, reducing effort while providing smooth, precise control of the load.

Multifunction lever controls
As an option the armrest can be specified with twin levers for carrying out material handling functions instead of the minilevers. These multifunction levers allow for more than one function to be carried out by the operator through each lever….i.e. lift, lower and tilt forwards backwards through one lever.
By offering the choice of levers – minilevers or multifunction levers Toyota aim to meet varying user demands for ergonomic solutions when materials handling.

Adjustable driving position
The superior ergonomics of 7FBMF electric fork trucks can also be seen in the way they adapt to every size and shape of driver. The seat is 4-way adjustable for optimum comfort, with the armrest easily adjusting to bring the minilever controls to an ideal operating position. This is further enhanced by the tilting steering column which can be set to any position within a 13-degree range for total control with minimal effort.

Active Steering Synchroniser
Steering slippage is a common cause of complaint among truck drivers. This happens when the steering wheel is not aligned with the rear wheels, and can cause the truck to start off in the wrong direction, reducing operator productivity.

Toyota's SAS Active Steering Synchroniser overcomes this by constantly re-aligning the steering wheel with the rear wheels, ensuring that the truck always moves off in the direction expected by the driver. Driving is consequently a more natural and safer experience.

operator total care
OTC

Powerful and productive

THE EXCLUSIVE TOYOTA AC^2 POWER SYSTEM provides the driving force behind 7FBMF electric fork trucks. This combines powerful Toyota AC electric motors with a sophisticated Toyota power management system, using the latest microprocessor and software technology to give exceptionally smooth and powerful operation with ultra-precise control.

Further benefits of the Toyota AC^2 system include superior acceleration with a higher top speed, more lifting performance than with conventional systems and, responding to customer requests for longer operating times, more battery autonomy.

Extended battery autonomy
Efficient power management and advanced energy saving technologies allow 7FBMF electric fork trucks to work harder over longer time periods than their rivals.

Even when the battery charge is low, the Toyota Power Keep Function will boost performance and keep the truck working at peak efficiency, greatly extending battery autonomy. Regenerative braking can extend operating times further.

Custom-tuned performance
Thanks to Toyota's exclusive 3-mode Power Select Function – standard, power and high power – plus 24 custom modes, operators can easily fine-tune truck performance to match individual requirements.

Standard mode optimises the total operating time, while power mode offers improved cycle performance. In high power mode, load-handling performance is increased by up to 30% compared to standard mode.

Automatic Fork Levelling
Even the most experienced truck operators can experience stress and lose time by having to constantly re-position the forks in a horizontal position. The Toyota SAS Automatic Fork Levelling Control makes this an easy and failsafe task, returning the forks to a horizontal position at the simple touch of a conveniently located switch.

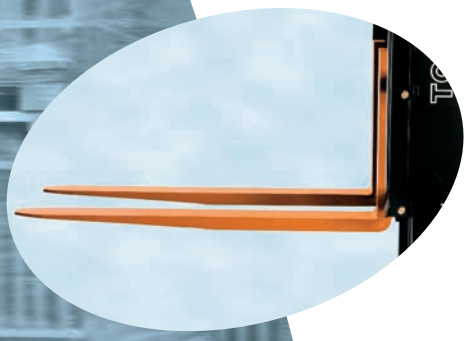
Maximum flexibility
All 7FBMF electric fork trucks are available in two different versions with various options for maximum flexibility. The standard version with underfloor battery provides more floor space for greater driver comfort. The underseat battery version offers the possibility of exchanging batteries sideways in a safe, quick and easy manner.

AC²


TOYOTA
20
SAS
EQUIPPED

Raising Safety Standards

MORE THAN EVER, safety in the workplace has become a key concern within the materials handling industry. All 7FBMF electric fork trucks are equipped with the revolutionary Toyota SAS System of Active Stability. This exclusive technology virtually eliminates the risk of a truck tipping over or of loads slipping off the forks. It protects both drivers and other people in the workplace, reduces stress and demonstrably improves productivity. The latest, highly efficient braking systems are also featured, bringing all-round safety to previously unmatched levels.



Active Stability Control
Excessive movement in the rear axle of a forklift while turning can cause the centre of gravity to shift violently. This makes the truck become dangerously unstable and prone to tipping.

The Toyota SAS Active Control Rear Stabiliser senses when this is about to happen and counters it by the reducing the swinging motion of the rear axle, thereby providing exceptional lateral stability.

Active Mast Control
Toyota SAS also minimises the risk of mast-related accidents. By limiting forward movement of high and heavily loaded masts, the Toyota SAS Active Mast Front Tilt Angle Controller prevents the truck from tipping forward with the load, or the load from slipping off the forks.

The Toyota SAS Active Mast Rear Tilt Speed Controller performs a similar function, regulating backward movement by limiting the speed at which a high and loaded mast can tilt, so that loads will not fall backwards onto the driver's cab.

More braking efficiency
Toyota 7FBMF electric fork trucks are equipped with modern, maintenance-free wet diskbrakes for powerful braking performance, even under the most aggressive operating conditions.

The Toyota AC^2 Power System also contributes to overall braking efficiency, providing a strong, accel-off braking force that can be varied to suit operating conditions and driver preferences. This makes driving an easier, more natural experience, allowing the operator to concentrate more fully on the task at hand.

A stop-on-ramp function is also featured, preventing the truck from rolling back down slopes when the accelerator pedal is released.

TOYOTA
SAS
System of Active Stability

The Professional Choice

TOYOTA 7FBMF electric fork trucks mark a dramatic leap forward in materials handling. Setting new standards at every level of truck operation, they are rapidly proving themselves to be the first choice of professionals.

Two leading technologies

With both the Toyota SAS System of Active Stability and Toyota's exclusive AC^2 Power System, 7FBMF electric fork trucks are at the very forefront of their class. By introducing these twin technologies in a full 1.6 to 5.0 ton range, Toyota has created a new class of machines that meets all your key performance criteria.

Productivity

With more power, more lifting capability and the opportunity to match truck performance to operating requirements, 7FBMF electric fork trucks always operate at peak efficiency. With extended operating time achieved through Toyota's regenerative braking system and Power Keep Function, 7FBMF trucks will deliver real improvements in productivity. If the truck is left unused for more than 15 minutes, the power supply to the motor is automatically switched off, saving valuable energy.

Minimum maintenance

With no brushes or contacts to wear out and require replacement, the Toyota AC^2 Power System significantly reduces maintenance time and costs. Dust contamination within the motor compartment is also kept to a minimum, extending motor life.

Other cost-reducing features include maintenance-free wet brakes and an on-board diagnostic computer that identifies faults at an early stage.

Ergonomics

First class ergonomics are essential to operator efficiency. In the 7FBMF range, Toyota's commitment to ergonomic excellence can be easily seen in the comfortable, well-designed seat, the spacious, easy-to-access cabin, and in the carefully-placed armrest with its sophisticated minilever controls.

Profitable investment

Many factors - both performance related and financial – must be taken into account when investing in any piece of capital equipment. The unique combination of unbeatable safety, improved productivity, greater reliability and reduced maintenance all adds up to make Toyota 7FBMF electric fork trucks the best investment you can make.

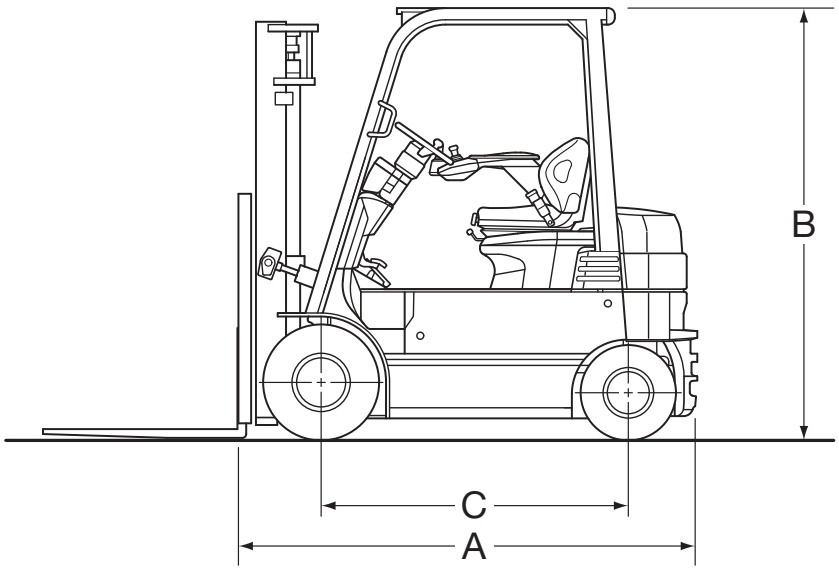
TOYOTA GENERATION7
ELECTRICS

7FBMF25

7FBMF45

Main specifications

MODEL			7FBMF16	7FBMF18	7FBMF20	7FBMF25	7FBMF30	7FBMF35	7FBMF40	7FBMF45	7FBMF50
Load capacity		(kg)	1600	1800	2000	2500	3000	3500	4000	4500	4990
Load center		(mm)	500	500	500	500	500	500	500	500	500
Standard fork height		(mm)	3300	3300	3300	3300	3300	3300	3300	3300	3300
Travel speed	Full load	(km/h)	16	15.5	15	16	15	14	14	14	13
	No load	(km/h)	17	17	16	17	16	16	16	16	15
Lifting speed	Full load	(mm/sec.)	520	480	480	460	440	370	330	300	270
	No load	(mm/sec.)	780	780	630	630	550	470	510	510	410
Turning radius		(mm)	1870	1870	2020	2030	2160	2215	2680	2680	2740



MODEL		7FBMF16	7FBMF18	7FBMF20	7FBMF25	7FBMF30	7FBMF35	7FBMF40	7FBMF45	7FBMF50
A Length to fork face	(mm)	2165	2165	2355	2365	2540	2630	3020	3020	3150
B Overhead guard height	(mm)	2195	2195	2195	2215	2215	2215	2310	2310	2310
C Wheelbase	(mm)	1420	1420	1580	1580	1725	1725	2080	2080	2080
Overall width	(mm)	1135	1135	1170	1170	1220	1220	1345	1345	1440
Tread front	(mm)	920	920	970	970	970	970	1120	1120	1150
Tread rear	(mm)	895	895	895	940	940	940	1090	1090	1090

Toyota. Share our strength

BY INVESTING HEAVILY in new engineering technologies and manufacturing techniques, Toyota is able to offer the best, most productive products available. With factories in Japan, the United States and Europe, we cover the world's major markets. And with some 100 distributors and 650 sales and service outlets worldwide, we are uniquely placed to serve our customers.

Research & Development
Every year, Toyota reinvests 4 to 5% of turnover back into Research and Development, employing some 250 highly skilled engineers. As a result, we have earned an unmatched reputation for engineering innovation in materials handling.

Probably the most famous example, our revolutionary Toyota SAS System of Active Stability, took more than 30 Toyota engineers over two years to develop, registering hundreds of patents and setting new standards in safety, productivity and reliability.

All Toyota products benefit from the same dedication to excellence. Before coming to market, they will have undergone extensive research and development to ensure they meet and surpass the industry's most exacting quality standards.

Trained engineers
Toyota service engineers are constantly trained and re-trained to keep pace with new Toyota products and technologies. As a result, they are able to offer unequalled level of expertise and coverage to customers across Europe, ensuring smooth, trouble-free operation and optimum productivity.

A European partner
Toyota is constantly expanding its European sales, distribution and after sales service network. Today, our 350 dealers across Europe ensure a fast, effective response to your requirements and help keep your trucks operating at peak efficiency.

Our European marketing organisation identifies and analyses specific market needs, and then relays this information to our technical department, responsible for truck design and modification.

In Ancenis, France, we have both a production plant and our European Parts Centre, giving Toyota distributors fully-automated access to a permanent stock of some 20,000 spare parts, and allowing them to supply their customers within 24 hours.

Customer support services available range from full service contracts to short-term rental and fleet management facilities.

The data in this brochure was determined based on our standard testing condition. 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.
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TOYOTA INDUSTRIAL EQUIPMENT

BT

TOYOTA

MATERIAL HANDLING

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