

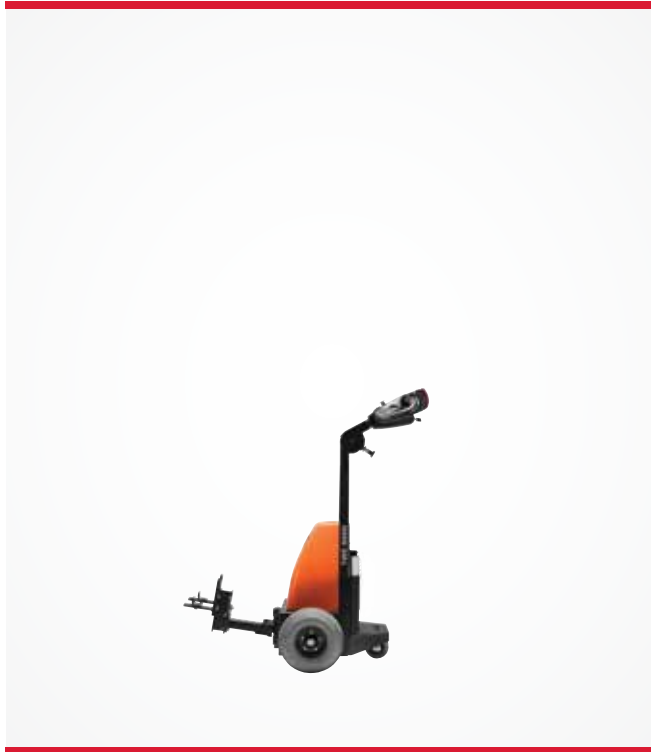
Toyota Towing Tractors

The Tracto Range



Tracto W-series

PEDESTRIAN TOWING TRACTORS



Easy-to-use tow trucks with quick carrier connection, ideal for roll cages

0.8 – 1.5 tonne load capacities

Travel speed up to 4.5 km/h

P.4-7

Tracto N-series

LIGHT-DUTY STAND-IN TOWING TRACTORS



Narrow chassis trucks for light-duty towing or order picking

1.0 – 1.5 tonne load capacities

Travel speed up to 12 km/h

P.8-11

Tracto S-series

HEAVY-DUTY STAND-IN TOWING TRACTORS



High-performance tow trucks with easy on/off, for heavy-duty towing and order picking

3.0 – 5.0 tonnes load capacities

Travel speed up to 12 km/h

P.12-15

Tracto S-series

HEAVY-DUTY STAND-IN TOWING TRACTORS WITH PNEUMATIC TYRES



Compact stand-in towing tractors for horizontal transport with frequent on/off

2.0 – 4.0 tonnes load capacities

Travel speed up to 13 km/h

P.16-19

Tracto R-series

HEAVY-DUTY RIDER-SEATED TOWING TRACTORS WITH PNEUMATIC TYRES



High-performance tow tractors for long travel distances and heavy-duty towing

2.0 – 6.0 tonnes load capacities

Travel speed up to 18 km/h

P.20-23

Tracto R-series

HEAVY-DUTY RIDER-SEATED TOWING TRACTORS WITH PNEUMATIC TYRES



Electric and engine-powered trucks for long travel distances and heavy loads

20.0 – 49.0 tonnes load capacities

Travel speed up to 30 km/h

P.24-27



TRACTO W-SERIES

The Tracto W-series is a pedestrian-operated towing solution that takes the strain out of moving loads, with a choice of handling capacities from 0.8 t to 1.5 t.

SPECIFICATIONS

Load capacity: 0.8, 1.0, 1.5 t @ 600 mm load centre

Maximum travel speed: 4.5 km/h





Control handle is comfortable and easy to use with a clear and concise battery status display



Maintenance-free gel batteries are fitted standard on the TWE080N



Load connection is easy, with a variety of attachments available

● standard ○ option

	Safety	Durability	Productivity	Driveability	Tracto TWE100	Tracto TWE080N	Tracto TWE150
Truck features							
Automatic parking brake	●			●	●	●	
Choice of chassis widths			●		●	●	●
Choice of connections and hooks			●		●	●	●
Electronic speed control	●			●	●	●	●
High performance models			●		●	●	●
Controls and instruments							
Automatic deceleration	●		●	●	●	●	●
Folding steering arm					●	●	●
Emergency cut-off	●				●	●	●
Battery status display					●	●	●
Hour meter					○	○	○
Remote control for shopping trolley transport			●		○	○	○
Operator features							
Driver-adapted programmable performance	●			●	●	●	●
Maintenance features							
Easy access for maintenance		●	●		●	●	●
Battery management features							
Battery change facility		●	●		○	○	○
Battery status indicator		●	●		●	●	●



TWE100/150



TWE080N

The right connection

A variety of hooks allows connection to all common manual load carriers.

A flexible solution

TWE080N is an extra compact variant for retail applications

Remote control option for transport of nested shopping trolleys

Gel batteries standard for TWE080N and optional for TWE100, TWE150



TOYOTA TRACTO N-SERIES

The Tracto N-series trucks are lightweight and very compact, suitable for use in a great range of environments. They feature a very low step-in and easy trailer connection. The TSE100/150 models work with traditional hook-on trailers.

SPECIFICATIONS

Load capacity: 1.0, 1.5 t

Maximum travel speed: 12 km/h





Fast and easy battery change



'Spinner wheel' steering and PIN-code access



LED front light

● standard ○ option

	Safety	Durability	Productivity	Driveability	Tracto TSE100	Tracto TSE150
Truck features						
Automatic parking brake	●			●	●	
Choice of connections and hooks			●		●	●
Choice of load carriers					○	○
Electronic braking system	●	●	●	●	●	●
Electronic speed control	●		●	●	●	●
High performance models			●	●	●	●
Integrated front bumper		●			●	●
Controls and instruments						
180°+ steering			●	●	●	●
Access Control (PIN codes)	●				●	●
Automatic deceleration	●		●	●	●	●
Emergency cut-off	●				●	●
Hour meter					●	●
Information display					●	●
On-board data terminal mount			●	●	○	○
Travel AC control					●	●
Operator features						
Driver detection system	●				●	●
Driver-adapted programmable performance	●			●	●	
Choice of standing or sitting			●		○	
Low step-in	●			●	●	●
Storage compartment			●	●	●	●
Vibration-damped platform			●	●	●	●
Writing table			●	●	○	○
Maintenance features						
Easy access for maintenance		●	●		●	●
Fault diagnosis facility			●		●	●
Battery management features						
Battery change facility			●		○	○
Battery discharge prevention system		●	●		●	●
Battery status indicator		●	●		●	●

Typical load carriers that can operate with the Toyota Tracto N-series include:



PARCEL carrier
Designed for carriage of items of multiple sizes and shapes, with easy to open gates



PLATFORM carrier
Fast, easy and flexible transportation of stable goods



SHELF carrier
Allowing sortation of items during the transportation process

Integrated, secure-path and free-path load carriers

The Toyota Tracto N-series is designed to work with two types of load carrier chassis.

- Secure-path load carriers are fitted with four-wheel steering systems, which means that tow-trains always follow exactly the same path for safe and accurate driving.
- Free-path load carriers feature two-wheel steering, which means that they have a short turning radius for tight U-turns and can be easily moved and steered manually.

Bespoke load carriers

Toyota offers a wide choice of standard load carrier configurations, but is also able to work with customer-developed solutions or special load carriers can be designed and built to match specific requirements.

Special variants include a care equipped truck designed for mobility support in hospitals that helps staff to move patients easily.

Quick battery change

The Toyota Tracto N-series' battery can be changed in under a minute thanks to the convenient battery drawer.



TOYOTA TRACTO S-SERIES

The Toyota Tracto S-series is a high-performance tow truck, offering capacities up to 5 tonnes and travel speeds up to 12 km/h. Towing solutions offer significant benefits for advanced order picking, long-distance load transportation, or specialised transports within lean manufacturing. Also available with lithium ion battery system for long working shifts with opportunity charging.

SPECIFICATIONS

Load capacity: 3.0, 5.0 t

Maximum travel speed: 12 km/h

Options available: *LI-ION*





Low step-in and optional vibration-damped floor



E-man control system can be moved to either side of the truck to facilitate 'walk-with' operation



E-bar incorporates a power supply and allows easy attachment of essential equipment such as terminals and barcode scanners



Superelastic rear wheels (special option)

● standard ○ option

Truck features

	Safety	Durability	Productivity	Driveability	Tracto TSE300	Tracto TSE500
Automatic parking brake	●			●	●	
BT Powerdrive		●	●		●	●
Choice of connections and hooks			●		●	●
Choice of load carriers					○	○
Electronic braking system	●	●		●	●	
Electronic regenerative brakes (motor)			●		●	●
Electronic speed control	●		●		●	●
High performance models			●		●	●
Protective bumpers	●				○	○

Controls and instruments

200°+ steering			●	●	●	●
Access Control (PIN codes)	●				●	●
Adjustable E-man control console			●	●	○	○
Automatic deceleration			●		●	●
E-bar			●	●	○	○
Emergency cut-off	●				●	●
Hour meter					●	●
Information display			●		●	●
On-board data terminal mount			●	●	○	○
Power/Electronic steering	●		●		●	●
Travel AC control			●		●	●
Smart Access (electronic card)	●				○	○

Operator features

Driver detection system	●				●	●
Driver-adapted programmable performance	●			●	●	
Folding seat			●		○	○
Low step-in	●		●		●	●
Shrinkwrap holder			●		●	●
Storage compartments			●		●	●
Writing table			●		●	●

Maintenance features

Easy access for maintenance	●	●			●	●
Fault diagnosis facility		●	●		●	●
Historic fault log		●			●	●

● standard ○ option

Battery management features

Battery change facility			●		○	○
Battery discharge prevention system		●			●	●
Battery status indicator		●			●	●

Platform lift version for 2nd level picking with reduced towing capacity available as special option

Typical load carriers that can operate with the Toyota Tracto S-series include:



TAXI carrier
Transporting subsidiary load offering train solutions for full-pallets and half-pallets



PLATFORM TAXI carrier
Designed for easy and flexible transport of loads of different sizes like containers or roll cages



HEAVY-DUTY TAXI carrier
Allowing transportation of full-pallets and half-pallets up to 1200 kg

Secure-path and free-path load carriers

The Toyota Tracto S-series is designed to work with different types of load carrier chassis.

- Secure-path load carriers are fitted with four-wheel steering systems, which means that tow-trains always follow exactly the same path for safe and accurate driving.
- Free-path load carriers feature two-wheel steering, which means that they have a short turning radius for tight U-turns and can be easily moved and steered manually.

Toyota offers a wide choice of standard load carrier configurations, but is also able to work with customer-developed solutions - or special load carriers can be designed and built to match specific requirements.

Smooth operation for the driver

The E-man control system allows smooth operation with touch sensitive activation of the drive function and effortless electronic steering. The steering arm can be moved left and right to allow pedestrian control, walking alongside.

Toyota Tracto S-series trucks also have the option of Frequency-Adapted Suspension, based upon a special system that combats vibration at various frequencies geared to meet legislative requirements.

Optional remote control

For accelerated order picking, the Toyota Tracto S-series can be upgraded with remote control, allowing the operator to advance the truck forwards whilst picking and placing goods. The remote control system incorporates sensors to eliminate the risk of collisions, and to navigate around obstructions.

Optimised truck performance

The optimised truck performance system on the Toyota Tracto S-series automatically adapts speed when cornering to allow fast yet safe driving in all conditions.

TPS-based reliability

Like all Toyota trucks, Toyota Tracto tow trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.



TOYOTA TRACTO S-SERIES

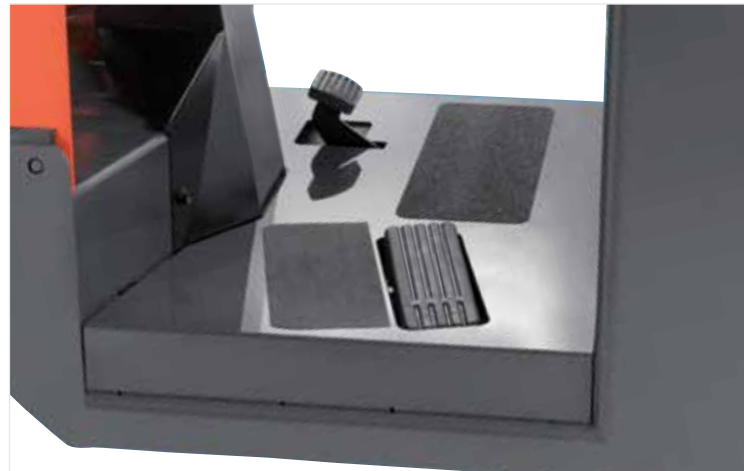
The Toyota Tracto S-series are compact stand-in electric trucks for indoor and outdoor use. With capacities up to 4 tonnes they are suitable for intensive applications, meaning constant use over typical shifts.

SPECIFICATIONS

Load capacity: 2.0, 4.0 t

Maximum travel speed: 13 km/h





S-series' low step-in height makes getting on and off easy. The Operator Presence System (left-hand pedal) ensures that the truck cannot be driven unless the operator is standing in the correct position



The backrest is height-adjustable to accommodate different operators in comfort. The backrest is height-adjustable to accommodate different operators in comfort



The control layout on the 4CBTYR is straightforward and easy to use



Battery roller-bed is standard on CBTY4 model

● standard ○ option

Truck features

	Safety	Durability	Productivity	Driveability	Tractor CBTY4	Tractor 4CBTY2/Yk4	Tractor 4CBTY2R/Yk4R
Automatic travel							●
Electronic regenerative brakes (motor)	●				●	●	●
Headlights	●				●	●	●
High performance models					●	●	●
Obstacle sensor	●						●
Pin-type single-stage drawbar					●	●	●
Pneumatic tyres					●	●	●
Rear combination lights					○	○	○
Safety bumper	●						●

Controls and instruments

Automatic deceleration			●	●	●	●	●
Dual-action parking brake	●						●
Emergency cut-off	●						●
Floor parking pedal	●				●	●	●
Hour meter					●	●	●
Maximum-speed limit switch	●						●
Remote control facility			●				●
Travel AC control							●

Operator features

Adjustable operator backrest	●			●	●	●	●
Driver detection system (Toyota OPS)					●	●	●
Low step-in	●			●	●	●	●
Storage compartments			●	●	●	●	●

Maintenance features

Easy access for maintenance		●	●		●	●	●
Fault diagnosis facility			●				●

● standard ○ option

Battery management features

Battery change facility			●		○	○	○
Battery discharge prevention system		●			●	●	●
Battery status indicator		●			●	●	●



Compact 4CBTY models are available with capacities of 2 and 4 tonnes – ideal for work in confined areas with a width of just 800mm



Heavy-duty CBTY models offer capacities of 4 and 6 tonnes and are particularly suited to applications with gradients

Typical load carriers that can operate with the Toyota Tractor S-series include:



HEAVY-DUTY TAXI carrier
Allowing transportation of full-pallets and half-pallets up to 1200 kg

Easy on/off

Toyota Tractor S-series models feature a low step-in height, making them ideal for applications in which the operator must frequently mount and dismount.

Battery roll-out

The four-tonne CBTY4 model has battery rollerbed as standard, for safe and quick changes.

Easy trailer docking

S-series models are all designed to dock / undock with Toyota load carriers quickly and easily.

Remote control or automated travel options

The Toyota Tractor R-series can be equipped for remote control (4CBTYR), allowing the operator to advance the tractor unit whilst concentrating on the picking process or for point-to-point automated travel over longer distances. Guidance is achieved through wired induction loop or magnetic tape on the floor, and speed reduction markers can be used to ensure safety in operation.

TPS-based reliability

Like all Toyota trucks, Toyota Tractor towing tractors are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.



TOYOTA TRACTO R-SERIES

The Toyota Tracto R-series is a comprehensive range of electric and engine-powered models for heavy-duty applications demanding longer travel distances and greater towing capacities.

SPECIFICATIONS

Load capacity: 2, 3, 4, 6, 20, 25, 26¹, 33² t

Maximum travel speed: 30 km/h

- 1) Load capacity with one trailer. Load capacity with a train of two or more trailers: 39 t.
- 2) Load capacity with one trailer. Load capacity with a train of two or more trailers: 49 t.





Toyota ORS seat



4CBT offers easy battery access



2TD20 with all-weather steel cab



All Toyota Tracto R-series models feature simple, car-like controls

● standard ◦ option

Truck features

	Safety	Durability	Productivity	Driveability	Tracto CBT4/6	Tracto 4CBT2/3/4/4	Tracto 4CBT2R/3R/4/4R	Tracto 2TG20/25, 2TD20/25	Tracto 2TE15/18
Automatic travel								●	
Electronic regenerative brakes (motor)	■		■	■	●	●	●	●	●
Headlights	■				●	●	●	●	●
High performance models			■		●	●	●	●	●
Obstacle sensor	■						●		
Pin-type double-stage drawbar								◦	◦
Pin-type single-stage drawbar					●	●	●	●	●
Pneumatic tyres					●	●	●	●	●
Protective bumpers	■				◦	◦		◦	◦
Rear combination lights					◦	◦	◦	●	◦
Safety bumper	■						●		
Steel cabin	■	■						◦	◦

Controls and instruments

Automatic deceleration	■		■	■	●	●	●	●	●
Dual-action parking brake	■				●	●	●	●	●
Emergency cut-off	■				●	●	●	●	●
Hour meter					●	●	●	●	●
Information display								●	●
Maximum-speed limit switch	■				●	●	●	●	●
Power/Electronic steering	■							●	●
Remote control facility			■	■				●	●
Tilt steering column					◦	◦	◦	●	●
Travel AC control					●	●	●	●	●

Operator features

Adjustable operator backrest	■			■	●	●	●		
Driver detection system	■				●	●	●	●	●
Storage compartments			■	■	●	●	●	●	●

Maintenance features

7" cyclone air cleaner	■	■						●	
Easy access for maintenance	■	■			●	●	●	●	●
Fault diagnosis facility	■	■			●	●	●	●	●

● standard ◦ option

Battery management features

	Safety	Durability	Productivity	Driveability	Tracto CBT4/6	Tracto 4CBT2/3/4/4	Tracto 4CBT2R/3R/4/4R	Tracto 2TG20/25, 2TD20/25	Tracto 2TE15/18
Battery change facility								◦	◦
Battery discharge prevention system	■				●	●	●	●	●
Battery status indicator	■				●	●	●	●	●



Compact 4CBT models have a narrow 800 mm chassis and are available in capacities of 2, 3 and 4 tonnes



For high performance and frequent work on gradients, CBT models offer 4 and 6 tonne capacities and travel speeds up to 18 km/h



Heavy-duty 2TG/D models are equipped with either diesel or LPG engines, and offer towing capacities up to 49 tonnes, with travel speeds up to 30 km/h



2TE electric models provide towing capacities up to 25 tonnes, and travel speeds up to 28 km/h

Designed for driver comfort

This ergonomic suspension seat is adjustable to suit all sizes and shapes of driver, offering a high level of comfort for long distance driving. It provides excellent lumbar support as well as having side wings to support the operator's back when reversing.

Toyota industrial engine

Designed to transport loads from distant points outside a factory or baggage and cargo movement at airports, 2TD/2TG models' high torque output allows the trucks to easily cope with steep gradients. The 2TD is diesel powered. The 2TG version is a gasoline powered* alternative matching the performance of the diesel-powered machine.

*LPG version available as special modification

Weather protection

Option including rear-view mirrors, combination lights, rear bumpers, and a fully enclosed steel cab with windscreen wiper, which allows 2TD/2TG to work in all weathers.

Easy trailer docking

R-series models are also designed to dock / undock with Toyota load carriers quickly and easily.

Remote control or automated travel options

The Toyota Tracto R-series can be equipped for remote control (4CBTR), allowing the operator to advance the tractor unit whilst concentrating on the picking process or for point-to-point automated travel over longer distances. Guidance is achieved through wired induction loop or magnetic tape on the floor, and speed reduction markers can be used to ensure safety in operation.

TPS-based reliability

Like all Toyota trucks, Toyota Tracto towing tractors are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.

Toyota Material Handling in Europe

Total coverage

The Toyota Material Handling network extends to over 30 countries in Europe with more than 4500 mobile technicians.

Always local – with global support

Wherever you are located in Europe, we are always local, due to our extensive coverage, but with the stability and back-up of a worldwide organisation.

Made in Europe

Over 90% of trucks we sell are built in our own European factories, in Sweden, France and Italy – all to TPS quality standards. We employ over 3000 production staff in Europe and work with over 300 European suppliers.

Approximately 15% of our European production is exported to other parts of the world.

