



Toyota Powered Pallet Trucks

BT Levio range



www.toyota-forklifts.eu

TOYOTA

MATERIAL HANDLING



BT Levio W-series Li-ion

PEDESTRIAN-OPERATED TRUCKS



Light and compact Li-ion design for easy manoeuvring in confined areas or on-board lorries.

1.6 tonnes load capacity

Travel speed up to 6 km/h

P.4-7

BT Levio W-series

PEDESTRIAN-OPERATED TRUCKS



Versatile and compact design for easy use in congested areas or on-board lorries.

1.3 – 2.5 tonnes load capacities

Travel speed up to 6 km/h

P.8-15

BT Levio P-series

TRUCKS WITH DRIVER PLATFORM



Compact and manoeuvrable trucks with choice of platforms and driver protections for long and intensive transport of goods.

2.0 – 2.5 tonnes load capacities

Travel speed up to 12.5 km/h

P.16-19

BT Levio S-series Li-ion

STAND-IN TRUCKS

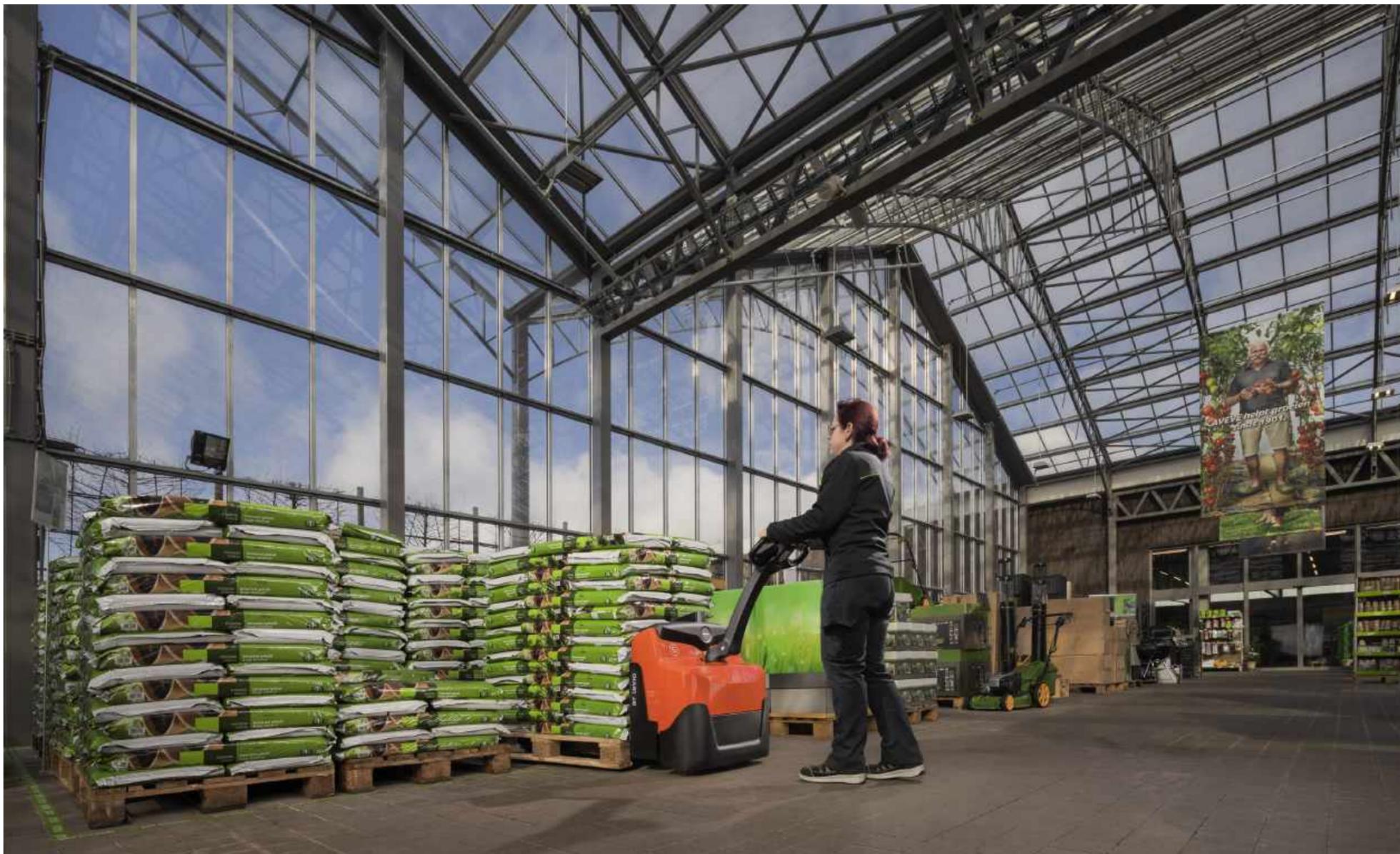


Compact and manoeuvrable trucks ideal for long-distance horizontal transport and narrow spaces.

2.0 tonnes load capacities

Travel speed up to 12.5 km/h

P.20-23



TOYOTA BT LEVIO W-SERIES LI-ION

Toyota BT Levio LWI160 is a powerful and compact truck built around lithium-ion batteries. The entire design of the powered pallet truck has been optimised for an optimal fit of all components. The li-ion battery fits within the body of the machine and not within a standard battery tank. This results in a very compact machine, incredibly light and energy-efficient, optimised in terms of ergonomics, visibility and performance. Whether it's in confined areas, back of stores or on-board lorries, the LWI160 is easy and safe to operate.

SPECIFICATIONS

Load capacity: 1.6 t

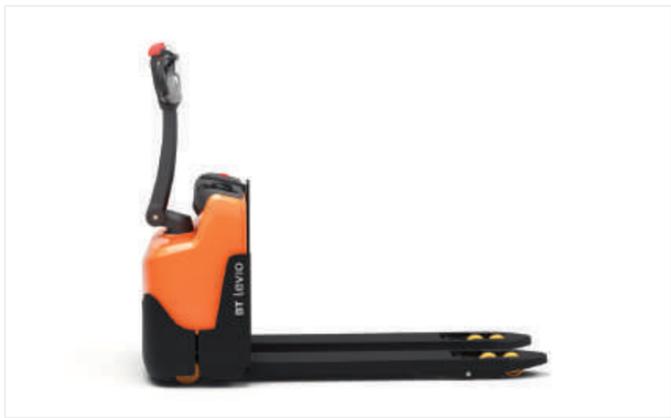
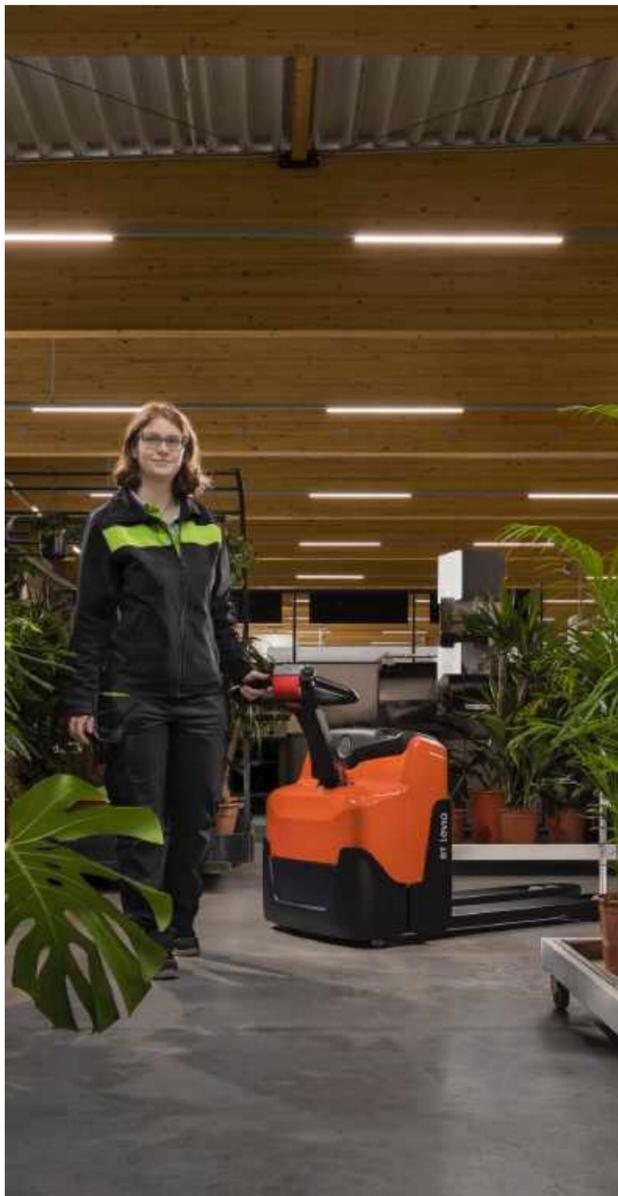
Maximum travel speed: 6 km/h

Three battery capacity: 24v/50, 105 and 150 Ah

Smart truck equipped with telematics hardware: 

Option available: | Site





One compact machine offering easy manoeuvring in confined areas.



5V USB outlet for simple charging of smart phone, tablet or other external equipment.



Easy and fast charging with the built-in charger for more energy efficiency (external charger also available).



Unique Li-ion solution rethinking design standards and optimising component position.

● standard ○ option

Truck features

	Safety	Durability	Productivity	Driveability	BT Levio LW160
Automatic parking brake					●
Bogie fork wheels					○
BT Powerdrive					●
BT Castorlink					●
Climber wheels					○
All battery capacities in one small chassis					○
Electronic braking system					●
Electronic regenerative brakes (motor)					●
Electronic speed control					●
Load support					○

Controls and instruments

180° + steering					●
Access Control (PIN codes)					●
Automatic deceleration					●
Click-2-Creep					●
Drive motor temperature warning					●
E-bar					○
Electronic controller temperature warning					●
Electronic fingertip controls					●
Emergency collision button					●
Emergency cut-off					●
Hour meter					●
On-board data terminal mount					○
Parking brake					●
Smart Access (electronic card/fob)					○
Temporary speed reduction ('turtle' button)					○
Tiller arm steering					●
Speed reduction when cornering					○
Reduced speed with lowered forks					●

Safety Durability Productivity Driveability BT Levio LW160

● standard ○ option

Operator features

Driver-adapted programmable performance					○
Shrinkwrap holder					○
Storage compartments					○
Writing table					○
5V USB outlet					●

Maintenance features

Easy access for maintenance					●
Fault diagnosis facility					●
Historic fault log					●
Lifting lug for horizontal lift					●

Battery management features

Battery status indicator					●
Battery discharge prevention system					●
Built-in charger					○
Lithium-ion batteries					●
Wide range of external chargers					○
On-board lorry charging					○

Special applications

Coldstore version					○
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Safety Durability Productivity Driveability BT Levio LW160

Toyota unique modular approach

The BT Levio LW160 is the first powered pallet truck from Toyota that is solely designed around a modular Lithium-ion battery concept. The battery fits within the body of the machine, eliminating the need to lift it. The entire design of the vehicle has been optimised, making the truck incredibly light (274 kg), very compact (419x726 mm) and energy-efficient thanks to the benefits of li-ion batteries.

Optimised corner control

Automatic speed reduction when cornering depending on steering arm angle, helping to reduce risk related to load instability or foot injuries.

Flexible energy solution

The LW160 solution covers all energy needs within one compact chassis. Three available battery capacities: 50, 105 or 150 Ah Li-Ion. Charging is easy and fast with a choice of external charging, built-in charging and on-board lorry charging.

TPS-based reliability

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

Smart Trucks

Like most Toyota warehouse trucks this range/series has integrated telematics, which means that it is always online, for efficient communication and access to diagnostic data. This enables you to take full control of your operations, managing utilisation, battery maintenance and impacts via the Toyota I_Site app.



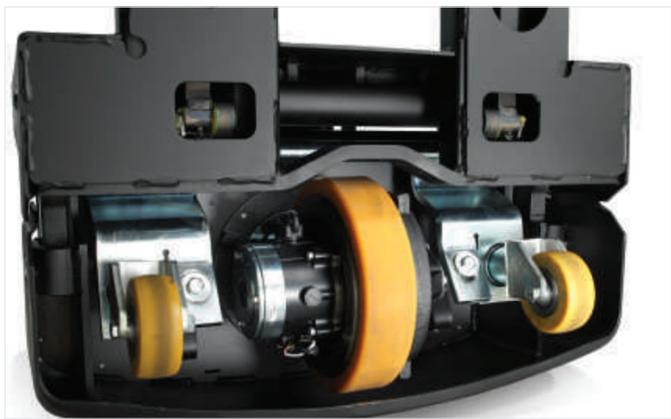
TOYOTA BT LEVIO W-SERIES

The BT Levio LWE130 is a robust but lightweight truck that can carry loads with ease over short to medium distances. Weighing just 255 kg, including battery, the LWE130 is compact, allowing easy use in a wide variety of applications. This powered pallet truck is also ideal in confined spaces such as retail sales areas, shops or supermarkets but as well for on-board delivery vehicles. The LWE130's low-maintenance AC motor offers both good energy efficiency and durability.

SPECIFICATIONS

- Load capacity: 1.3 t
- Maximum travel speed: 5.5 km/h
- Maximum battery capacity: 63 Ah
- Smart truck equipped with telematics hardware: 
- Option available: **Site** *LI-ION*





The unique Castorlink system protects castor wheels on uneven surfaces.



The control panel includes a pull-out power lead for the built-in battery charger.



Easy access for efficient servicing.



Steering arm rotation.

● standard ◦ option

Truck features

	Safety	Durability	Productivity	Driveability	BT Levio LWE130
Automatic parking brake					●
Bogie fork wheels					◦
Climber wheels					●
BT Castorlink					●
Shock sensor					◦
Load support					◦
AC drive motors					●

Controls and instruments

208° steering					●
Access Control (PIN codes)					●
Click-2-creep					●
Electronic braking system					●
Electronic speed control					●
Electronic fingertip controls					●
Hour meter					●
Tiller arm steering					●
Emergency collision button					●
Emergency cut-off					●
Parking brake					●
Temporary speed reduction (turtle button)					◦

● standard ◦ option

Operator features

Storage compartments					●
Driver-adapted programmable performance					●
Extra foot protection					◦

Maintenance features

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

Battery management features

Battery status indicator					●
Built-in charger					●
In-vehicle charging					◦
Lithium-ion batteries					◦

Safe and user-friendly operation

For optimal driver comfort, the entire range is now user-friendly and intuitive thanks to their quieter operation and programmable driver parameters. To ensure safe and efficient material handling, the LWE130 is designed to be compatible with the fleet management tool I_Site that monitors for example driver authorisation (PIN code), machine utilisation and detects possible impacts of your truck in real time.

Unique Castorlink system

Stability is assured with a five-wheel chassis design with linked side castors, protecting the wheels and load an ensuring stability on uneven surfaces.

Easy battery charging

The BT Levio LWE130 features a built-in charger for fast and easy charging- just plug it into a power socket. There is also the option of an in-vehicle charging system for opportunity charging when travelling on delivery vehicles. In-vehicle charging features intelligent control to only operate when the main vehicle engine is running.

Li-ion battery technology

The latest maintenance-free Li-ion battery technology is available on the LWE130, with 30% less energy consumption, giving exceptional battery life and the option for fast-charge at any time revolutionising battery management and eliminating the need for battery change in multi-shift applications.

TPS-based reliability

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

Smart connected truck

This truck is a smart truck that can be connected with I_Site fleet management system from Toyota. It helps to be in control of your operation, to measure and improve productivity, safety and efficiency.



TOYOTA BT LEVIO W-SERIES

Toyota powered pallet trucks, BT Levio W-series, are compact trucks with a wide range of specifications and options available to support every application. All models, from 1400 kg to 2500 kg, share the same design - easy to use, with impressive handling performance.

SPECIFICATIONS

Load capacity: 1.4, 1.6, 1.8, 2.0, 2.5 t

Maximum travel speed: 6 km/h

Maximum battery capacity: 300 Ah

Smart truck equipped with telematics hardware: 

Options available: | Site **LI-ION**





A clear and safe view of the forks.



Fingertip control for drive, lift and lower with unique click-2-creep feature.



Easy access for efficient servicing.



Robustness of the battery lid cover.

● standard ○ option

Truck features

	Safety	Durability	Productivity	Driveability	BT Levio LWE140	BT Levio LWE160	BT Levio LWE180	BT Levio LWE200	BT Levio LWE250
Automatic parking brake	●				●	●	●	●	●
Bogie fork wheels			●	●	○	○	○	○	●
BT Powerdrive		●	●	●	●	●	●	●	●
BT Castorlink		●	●	●	●	●	●	●	●
Climber wheels			○	○	○	○	○	○	○
High-capacity battery models						○	○	○	
Electronic braking system	●	●	●	●	●	●	●	●	●
Electronic regenerative brakes (motor)	●	●	●	●	●	●	●	●	●
Electronic speed control	●	●	●	●	●	●	●	●	●
Load support			○	○	○	○	○	○	○

Controls and instruments

180° + steering	●	●	●	●	●	●	●	●	●
Access Control (PIN codes)					●	●	●	●	●
Automatic deceleration			●	●	●	●	●	●	●
Click-2-Creep			●	●	●	●	●	●	●
Drive motor temperature warning		●	●	●	●	●	●	●	●
E-bar			○	○	○	○	○	○	○
Electronic controller temperature warning		●	●	●	●	●	●	●	●
Electronic fingertip controls			●	●	●	●	●	●	●
Emergency collision button					●	●	●	●	●
Emergency cut-off					●	●	●	●	●
Hour meter			●	●	●	●	●	●	●
On-board data terminal mount			○	○	○	○	○	○	○
Parking brake					●	●	●	●	●
Smart Access (electronic card/fob)					○	○	○	○	○
Temporary speed reduction ('turtle' button)			○	○	○	○	○	○	○
Tiller arm steering			●	●	●	●	●	●	●
Speed reduction when cornering			○	○	○	○	○	○	○
Reduced speed with lowered forks			○	○	○	○	○	○	○

● standard ○ option

Operator features

Driver-adapted programmable performance	●	●	●	●	●	●	●	●	●
Flip-down driver platform			○	○	○	○	○	○	○
Shrinkwrap holder			○	○	○	○	○	○	○
Storage compartments			○	○	○	○	○	○	○
Writing table			○	○	○	○	○	○	○

Maintenance features

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

Battery management features

Battery status indicator	●	●	●	●	●	●	●	●	●
Battery discharge prevention system			○	○	○	○	○	○	○
Built-in charger			○	○	○	○	○	○	○
Lithium-ion batteries			○	○	○	○	○	○	○
Sideways battery change			○	○	○	○	○	○	○

Special applications

Coldstore version			○	○	○	○	○	○	○
EEx version (ATEX)			○	○	○	○	○	○	○
Reel/drum handling			○	○	○	○	○	○	○
Silent version			○	○	○	○	○	○	○
Weighing scale			○	○	○	○	○	○	○

Handling with care – just Click-2-Creep!

Finite positioning is easy with these BT Levio W-series trucks. The unique click-2-creep feature means that by simply double-clicking the control lever the truck is set to creep speed, allowing safe control in tight situations.

Totalview concept

The optimised length of the control arm combined with the low overall height of the truck means you always get a clear and safe view of the forks.

Li-ion battery technology

The latest maintenance-free Li-ion battery technology is available on all models, with 30% less energy consumption, giving exceptional battery life and the option for fast-charge at any time revolutionising battery management and eliminating the need for battery change in multi-shift applications.

TPS-based reliability

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

Smart connected truck

This truck is a smart truck that can be connected with I_Site fleet management system from Toyota. It helps to be in control of your operation, to measure and improve productivity, safety and efficiency.



TOYOTA BT LEVIO P-SERIES

Toyota BT Levio P-series, powered pallet trucks with operator platforms, combine high load capacities and class-leading compactness. The result is an extremely manoeuvrable machine with small turning radius – combined with high maximum speed of up to 12.5 km/h, for outstanding productivity.

SPECIFICATIONS

Load capacity: 2.0, 2.2, 2.5 t

Maximum travel speed: 12.5 km/h

Maximum battery capacity: 600 Ah

Smart truck equipped with telematics hardware: 

Options available: | Site LI-ION





The height of the steering arm can be adjusted at the touch of a button.



A clear view of the forks from the driving position.



One-touch action to adjust the height of the tiller arm.



Fixed platform and backrest.

● standard ○ option

Truck features

	Safety	Durability	Productivity	Driveability	BT Levio LPE200	BT Levio LPE220	BT Levio LPE250
Automatic parking brake					●	●	●
Bogie fork wheels					○	○	○
Climber skids					○	○	○
Electronic regenerative brakes (motor)					●	●	●
Fixed AC motor					●	●	●
Fork length dependent steering (OTP)					●	●	●
Load support					○	○	○
Powertrak traction system					●	●	●
Reduced speed when cornering (OTP)					○	○	○
Shock sensor					○	○	○
Spring-loaded drive wheel					●	●	●
Twin castor wheels					○	○	○
Xenoy exterior covers					●	●	●

Controls and instruments

	Safety	Durability	Productivity	Driveability	BT Levio LPE200	BT Levio LPE220	BT Levio LPE250
180° + steering					●	●	●
Access Control (PIN codes)					●	●	●
Click-2-Creep					●	●	●
Driver direction dependent steering (OTP)					●	●	●
E-bar					○	○	○
Emergency collision button					●	●	●
Hour meter					●	●	●
On-board data terminal mount					○	○	○
Power/Electronic steering					○	○	○
Temporary speed reduction ('turtle' button)					○	○	○
Tiller arm steering					●	●	●
Smart Access (electronic card/fob)					●	●	●
Soft pedestrian drive characteristics (OTP)					●	●	●

Operator features

	Safety	Durability	Productivity	Driveability	BT Levio LPE200	BT Levio LPE220	BT Levio LPE250
Adjustable tiller arm height					○	○	○
Configuration dependent tiller arm length					●	●	●
Driver-adapted programmable performance					●	●	●
Driver detection system					●	●	●
Fixed sideguards					○	○	○
Flip-down driver platform					●	●	●
Folding sideguards					●	●	●

● standard ○ option

Operator features

	Safety	Durability	Productivity	Driveability	BT Levio LPE200	BT Levio LPE220	BT Levio LPE250
Foot safety photocell					○	○	○
One-touch safety gates					●	●	●
Rear backrest/guard					○	○	○
Shrinkwrap holder					●	●	●
Storage compartments					●	●	●
Writing table					○	○	○

Maintenance features

	Safety	Durability	Productivity	Driveability	BT Levio LPE200	BT Levio LPE220	BT Levio LPE250
Easy access for maintenance					●	●	●
Fault diagnosis facility					●	●	●
Historic fault log					●	●	●

Battery management features

	Safety	Durability	Productivity	Driveability	BT Levio LPE200	BT Levio LPE220	BT Levio LPE250
Battery status indicator					●	●	●
Built-in charger					○	○	○
Lithium-ion batteries					○	○	○
Quick battery locking					○	○	○
Sideways battery change					○	○	○

Special applications

	Safety	Durability	Productivity	Driveability	BT Levio LPE200	BT Levio LPE220	BT Levio LPE250
Coldstore platform/driver unit					○	○	○
Corrosive environment version					○	○	○
EEx version (ATEX)					○	○	○

Unique, adapted driver experience

The standard truck has a folding driver platform with 'one-touch' foldable gates. Fixed platform and fixed rear or side guards are options. The height of the steering arm is fully adjustable at the touch of a button, and its length is adapted to suit the application. Optimised Truck Performance adjusts speed when cornering and according to load length, direction of travel, and if pedestrian-operated. Effortless electronic steering is an option.

Totalview concept

The BT Levio P-series range fully complies with ISO 13564-1:2012 to ensure a clear view of the forks from the driving position.

Li-ion battery technology

The latest maintenance-free Li-ion battery technology is available on BT Levio P-series models, with 30% less energy consumption, giving exceptional battery life and the option for fast-charge at any time revolutionising battery management and eliminating the need for battery change in multi-shift applications.

Quiet operation

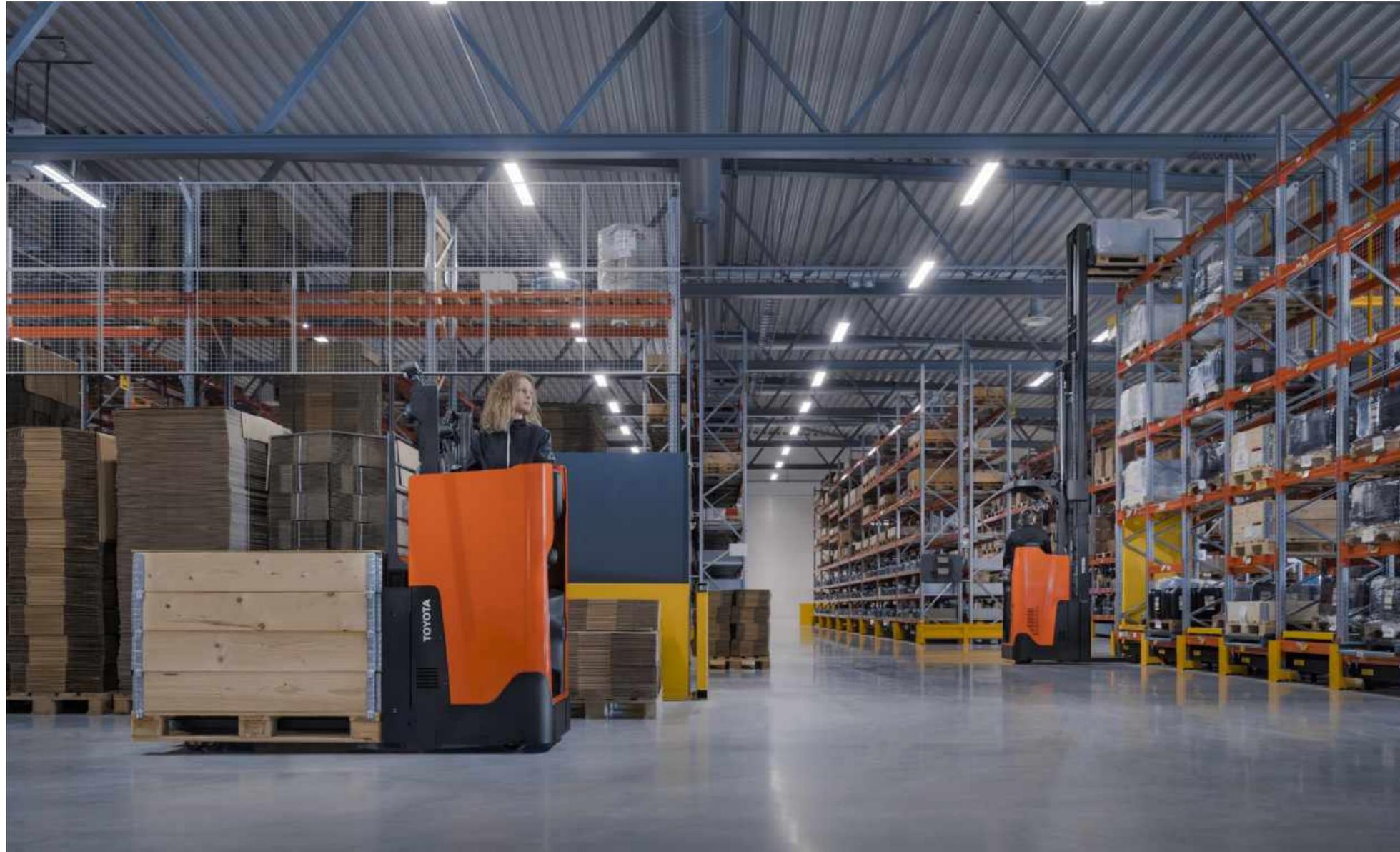
The BT Levio P-series has a very low noise level, and is the quietest truck in its class.

TPS-based reliability

Like all Toyota trucks, BT Levio P-series trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.

Smart connected truck

This truck is a smart truck that can be connected with I_Site fleet management system from Toyota. It helps to be in control of your operation, to measure and improve productivity, safety and efficiency.



TOYOTA BT LEVIO S-SERIES LI-ION

BT Levio li-ion S-series stand-in pallet truck is both powerful and extremely manoeuvrable with a travel speed of up to 12.5km/h. Its compact dimensions enable easy navigation in congested and narrow areas. The truck is made for long distance horizontal transport, as well as for loading/unloading lorries, with a load capacity of 2t.

SPECIFICATIONS

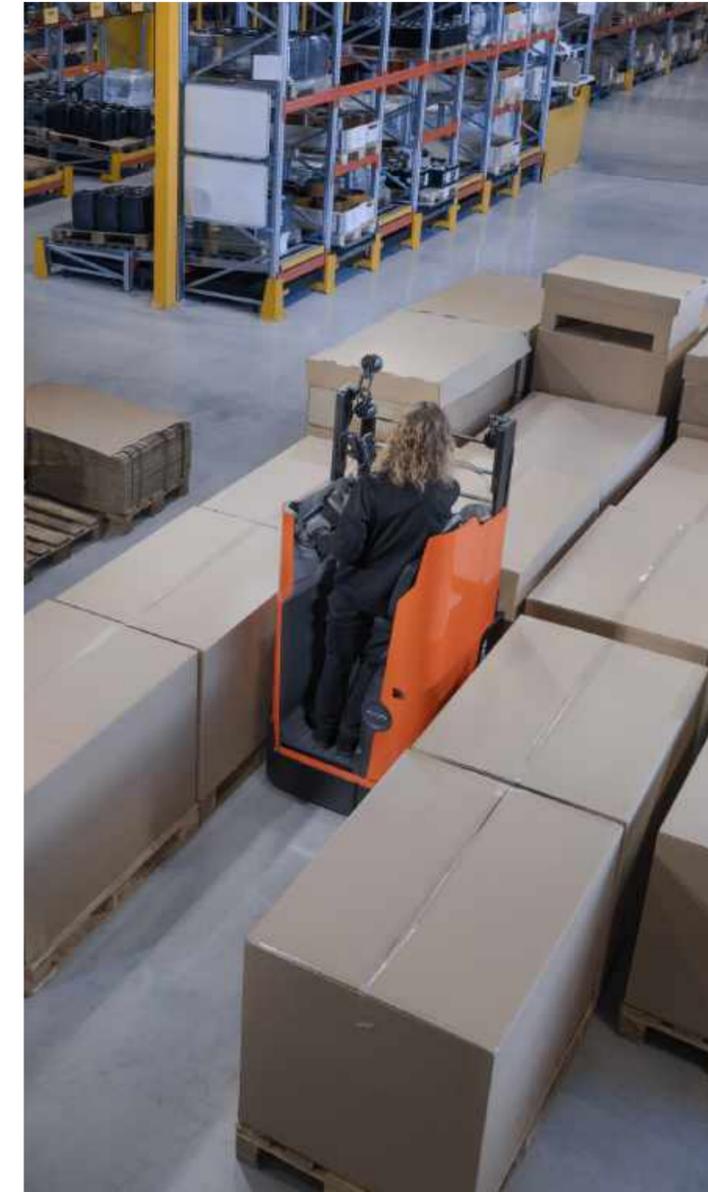
Load capacity: 2.0 t

Maximum travel speed: 12.5 km/h

Battery capacities: 210, 300, 420 Ah

Smart truck equipped with telematics hardware: 

Options available:  





An integrated optional blue LED warning light enhances safety in the warehouse by warning pedestrians or other trucks.



Ergonomic workstation with adjustable and intuitive controls, including a new colour touchscreen display.



Quick, safe and easy opportunity charging (Li-ion) with ergonomic charging connector, offering high uptime.



Fully enclosed driver compartment offering a safe and comfortable driving experience as well as excellent visibility.

● standard ○ option

Truck features

	Safety	Durability	Productivity	Driveability	BT Levio LSI200
Lithium-ion energy					●
Automatic parking brake					●
Clear view overhead guard					○
Electronic braking system					●
Electronic regenerative energy					●
Electronic speed control					●
Automatic speed reduction in curves					●
Load support					○
Warning beacon					○
Working lights					○
Blue LED warning light					○
Smart truck with telematics hardware					●

Controls and instruments

	Safety	Durability	Productivity	Driveability	BT Levio LSI200
Touchscreen colour display					●
Fingertip controls					●
Electronic power steering					●
180° steering					●
360° steering					○
Access Control (PIN codes)					●
Smart Access (electronic card/fob)					○
Driver adapted programmable performance					○
E-bar for fitting of peripheral equipment					○
Emergency cut-off					●
5V USB electrical outlet					●
12V or 24V electrical steering					○
Hour meter					●
Temporary speed reduction ('turtle' button)					●
Steering direction indicator					●

Operator features

	Safety	Durability	Productivity	Driveability	BT Levio LSI200
Adjustable backrest					●
Combined seat/backrest					●
Adjustable right-hand module					●
Dampened floor					●

● standard ○ option

Operator features

	Safety	Durability	Productivity	Driveability	BT Levio LSI200
Driver detection system					●
Low step in height					●
Grab handle for easy hop on/off					●
On-board data terminal mount					○
Foot safety photocell					●
Shrink wrap, scanner, small item holder					○
Storage compartments					●
Writing table					○
Pre-Operational check					○

Maintenance features

	Safety	Durability	Productivity	Driveability	BT Levio LSI200
Easy access for maintenance					●
Fault diagnosis facility					●
Historic fault log					●

Battery management features

	Safety	Durability	Productivity	Driveability	BT Levio LSI200
Battery status indicator					●
Battery discharge prevention system					●

Special applications

	Safety	Durability	Productivity	Driveability	BT Levio LSI200
Cold store version					○
EEx version (ATEX)					○

Powerful and versatile

The BT Levio LSI200 stand-in low lifter is a powerful truck with AC drive delivering speeds up to 12,5 km/h. Its compact design offers excellent manoeuvrability with 180° or 360° steering. Optimised truck performance (OTP) allows for optimal experience with curve control, smooth lifting/lowering and acceleration. This truck offers a wide range of fork configurations and is suitable for cold store operations.

Safe operations

The operator is well protected at all times within the enclosed driver compartment with excellent view all around. To further ensure safe and efficient operations, the LSI200 is equipped with safety features such as automatic speed reduction in taking curves, operator presence sensing, blue LED warning light, PIN code access.

Enhanced ergonomics

Drivers can enjoy an ergonomic operator compartment: easily reachable controls, levers at fingertips, adjustable right-hand module, interactive colour touchscreen display, small steering wheel and adjustable sit/stand chair.

Energy-efficient with li-ion technology

High uptime with Toyota lithium-ion solution. Quick, easy and safe opportunity charging ensuring cost savings and CO2 emissions reduction. Different intelligent energy packs available with Toyota's own Li-ion battery solutions to fit customer's application.

TPS-based reliability

Like all Toyota trucks, BT Levio S-series trucks are built according to the Toyota Production System, ensuring the highest levels of quality, durability and reliability.

Smart connected truck

The Levio S-series LSI200 is a smart truck that can be connected with I_Site fleet management system from Toyota. It helps to be in control of your operation, to measure and improve productivity, safety and efficiency.

Toyota Material Handling in Europe

Total coverage

The Toyota Material Handling network extends to over 30 countries in Europe with more than 5000 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 95% of trucks we sell are built in our own Europe in 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.

