



Proven Innovation

with Toyota Reach trucks



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TOYOTA
MATERIAL HANDLING





BT Reflex R-series

HIGH-PERFORMANCE
REACH TRUCKS



Advanced trucks – exceptional
when working at height

1.4 – 2.5 tonnes load capacities

Lift heights up to 13 m

P.4-7

BT Reflex E-series

UNIQUE TILTING CAB FOR
ULTIMATE PERFORMANCE



Unique tilting cab maximises productivity,
driveability and safety

1.4 – 2.5 tonnes load capacities

Lift heights up to 13 m

P.8-11

BT Reflex O-series

REACH TRUCKS FOR
INDOOR/OUTDOOR USE



Offers smooth performance indoors and
outdoors on rough surfaces

1.6 tonnes load capacities

Lift heights up to 7,5 m

P.12-15

TOYOTA BT REFLEX R-E-O SERIES

Reach trucks from Toyota have been class-leading products with innovative features over the past 25 years. Unique tilting cab, transitional lift control, AC power, 360° steering to name just a few. Toyota BT Reflex with capacities of 1.4 up to 2.5 tonnes with lift heights up to 13 metres are high-performance trucks with exceptional and unique features. Whether it's the R-series, engineered for performance at height, the unique E-series with tilting cab for more precision and comfort or the flexible O-series for inside and outside work. They allow maximum productivity in operation without compromising on safety, energy efficiency and ergonomics, even in the most intensive applications. Innovation has been in Toyota's DNA for a long time and there is no exception to the Toyota BT Reflex range. The R-E-O series expand on this matter. The operator compartment has been redesigned with a focus on ergonomics and offers intuitive controls to the driver for an optimised experience. The display features an easy-to-read and interactive colour touchscreen including a wide range of options, making drivers' tasks more efficient and safe. Intelligent energy packs with lithium-ion battery offer maximum energy efficiency and cost-saving, giving the best fit in terms of energy solution - ideal for high-intensity applications. All reach trucks are connected trucks as standard, offering many benefits in terms of safety, productivity and cost-saving, with I_Site fleet management from Toyota.





TOYOTA BT REFLEX R-SERIES

The BT Reflex R-series are designed to lift heavy loads to high heights, thanks to excellent stability and Transitional Lift Control, for fast and smooth lifting and lowering. Engineered for performance at height, the open operator compartment, the transparent roof as well as the mast design offer excellent visibility of the load. All those features allowing maximum productivity without compromising safety for the driver.

SPECIFICATIONS

Load capacity: 1.4, 1.6, 1.8, 2.0, 2.5 t @ 600 mm load centre

Maximum lift height: 13 m

Maximum travel speed: 14 km/h

Maximum battery capacity: 930 Ah

Smart truck equipped with telematics hardware:

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





The cabin is ergonomically designed around the operator, offering a comfortable workstation with many intuitive features.



The display features an easy-to-read colour touchscreen offering various interactive and intuitive options for enhanced productivity.



The optional air-suspension seat offers excellent comfort for drivers all shift long allowing maximum productivity.



Three different intelligent energy packs available based on energy-efficient Toyota Lithium-Ion solution to fit customers' application.

● standard ° option

Truck features

	Safety	Durability	Productivity	Driveability	BT Reflex RRE140H	BT Reflex RRE160H	BT Reflex RRE180H	BT Reflex RRE200H	BT Reflex RRE250H
Adjustable fork width					●	●	●	●	●
Automatic deceleration					●	●	●	●	●
Automatic parking brake					●	●	●	●	●
Choice of chassis widths					°	°	°	°	°
Clear-view mast/overhead guard					●	●	●	●	●
Transparent overhead guard					°	°	°	°	°
Electronic braking system					●	●	●	●	●
Electronic regenerative brakes (motor)					●	●	●	●	●
Transitional Lift Control (TLC)					●	●	●	●	●
Electronic support arm brakes					°	°	●	●	●
Enclosed, heated cab					°	°	°	°	°
High-capacity battery models					°	°	°	°	°
High-performance models					°	°	°	°	°
Optimised Cornering Control (OTP)					●	●	●	●	●
Optimised Reach Control (OTP)					●	●	●	●	●
Optimised Speed Control when mast reached out (OTPS)					●	●	●	●	●
Integrated sideshift					°	°	°	°	°
Fork spreader					°	°	°	°	°
Tilting forks					●	●	●	●	●
Working lights					°	°	°	°	°
Blue or Red Led Warning light					°	°	°	°	°

Controls and instruments

	Safety	Durability	Productivity	Driveability	BT Reflex RRE140H	BT Reflex RRE160H	BT Reflex RRE180H	BT Reflex RRE200H	BT Reflex RRE250H
360° progressive steering					●	°	°	°	°
180° steering					°	°	°	°	°
Adjustable Control console					°	°	°	°	°
Automatic O-tilt/sideshift					°	°	°	°	°
Camera/monitor system					°	°	°	°	°
Creep speed function					●	●	●	●	●
Motor temperature warning					●	●	●	●	●
PC preparations incl power outlet					°	°	°	°	°
Electronic controller temperature warning					●	●	●	●	●
Electronic height indicator					°	°	°	°	°
Emergency cut-off					°	°	°	°	°
Height pre-selector					°	°	°	°	°
Access Control (PIN codes)					●	●	●	●	●
Load information display					°	°	°	°	°
Overload warning system					°	°	°	°	°
I_Site ready					●	●	●	●	●
Pre-Op check					°	°	°	°	°

● standard ° option

Controls and instruments

	Safety	Durability	Productivity	Driveability	BT Reflex RRE140H	BT Reflex RRE160H	BT Reflex RRE180H	BT Reflex RRE200H	BT Reflex RRE250H
Mini-joystick electronic controls					●	●	●	●	●
Multifunction control					°	°	°	°	°
Large colour touch display					°	°	°	°	°
Electronic steering					●	●	●	●	●
Smart Access (electronic card/fob)					°	°	°	°	°
USB connector					●	●	●	●	●
Steering direction indicator					°	°	°	°	°
Weight indicator					●	●	●	●	●
Fork position laser					°	°	°	°	°

Operator features

	Safety	Durability	Productivity	Driveability	BT Reflex RRE140H	BT Reflex RRE160H	BT Reflex RRE180H	BT Reflex RRE200H	BT Reflex RRE250H
Adjustable seat					●	°	°	°	°
Adjustable seat with safety belt					°	°	°	°	°
Adjustable steering wheel					●	●	●	●	●
Armrest					°	°	°	°	°
Manually adjustable floor					●	●	●	●	●
Electrically adjustable floor					°	°	°	°	°
Driver detection system					●	●	●	●	●
Driver-adapted programmable performance					●	●	●	●	●
Heated seat					°	°	°	°	°
Low step-in					●	●	●	●	●
Storage compartments					°	°	°	°	°
Bluetooth speakers					°	°	°	°	°

Maintenance features

	Safety	Durability	Productivity	Driveability	BT Reflex RRE140H	BT Reflex RRE160H	BT Reflex RRE180H	BT Reflex RRE200H	BT Reflex RRE250H
Easy access for maintenance					°	°	°	°	°
Fault diagnosis facility					●	●	●	●	●
Historic fault log					●	●	●	●	●

Battery management features

	Safety	Durability	Productivity	Driveability	BT Reflex RRE140H	BT Reflex RRE160H	BT Reflex RRE180H	BT Reflex RRE200H	BT Reflex RRE250H
Battery change facility					°	°	°	°	°
Battery discharge prevention system					●	●	●	●	●
Battery status indicator					●	●	●	●	●
Lithium-ion battery					●	●	●	●	●

Special applications

	Safety	Durability	Productivity	Driveability	BT Reflex RRE140H	BT Reflex RRE160H	BT Reflex RRE180H	BT Reflex RRE200H	BT Reflex RRE250H
Coldstore version					°	°	°	°	°
Drive-in rack version					°	°	°	°	°
EEx version (ATEX)					°	°	°	°	°

Class-leading performance at height

The BT Reflex R-series trucks offer the highest residual capacities in class and this up to 13 m thanks to the superb stability of the truck. The reach movement is optimised according to lift height and load weight, increasing speed of load handling. The Transitional Lift Control system (TLC) ensures maximum load handling speeds can be maintained in operation thanks to shock-free lifting and lowering.

Totalview Concept

The clean mast and fork carriage design in combination with the transparent roof offer the driver an exceptional view on the load at all times, increasing productivity and safety. The optional fork laser enhances this even further by helping to pick pallets faster and without damage.

Unique driver experience

The driver compartment is ergonomically designed around the operator. The cab offers intuitive and interactive features including an easy-to-read colour touchscreen display for enhanced performance and productivity.

Intelligent energy packs

Toyota BT Reflex trucks are available with three different intelligent energy packs to fit customers' application. Based on Toyota's own energy-efficient lithium-ion battery solutions allowing cost-saving and CO2 emissions reduction.

TPS-based reliability

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

Smart connected trucks

All BT Reflex trucks are connected smart trucks, factory-fitted with integrated telematics and come standard with I_Site. I_Site fleet management system from Toyota contribute to help operations to reach new levels of productivity, safety and effectiveness.



TOYOTA BT REFLEX E-SERIES

The BT Reflex E-series is engineered for performance at height, the unique tilting cab and transparent roof as well as the mast design offer excellent visibility of the load. The unique E-series is also designed to reduce the risk of strain for the driver in repetitive high-level applications.

SPECIFICATIONS

Load capacity: 1.4, 1.6, 1.8, 2.0, 2.5 t @ 600 mm load centre

Maximum lift height: 13 m

Maximum travel speed: 14 km/h

Maximum battery capacity: 930 Ah

Smart truck equipped with telematics hardware: 

Options available: | Site   

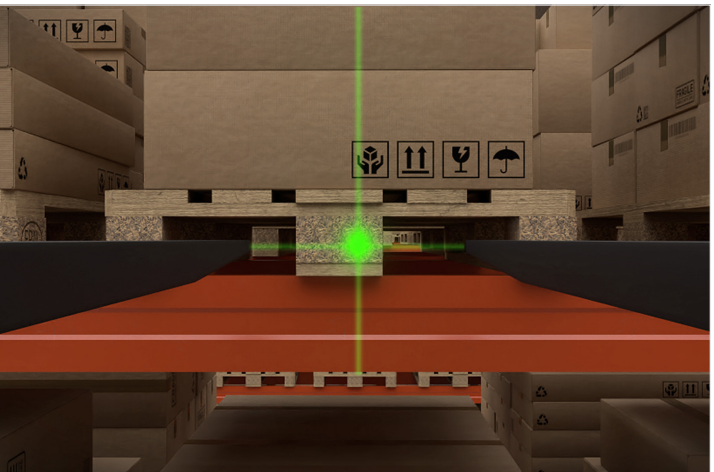




The transparent overhead guard is designed to give the best possible protection for the driver without compromising on visibility when working at height.



The unique tilting cab provides excellent ergonomics for the driver, especially when handling loads at high lift heights.



The fork laser option helps drivers to position the forks in front of pallets, resulting in faster and safer operations.



The clean mast and fork carriage design offer the driver an exceptional view on the load at all times, increasing productivity and safety.

● standard ◦ option

Truck features

	Safety	Durability	Productivity	Drivability	BT Reflex RRE140HE	BT Reflex RRE160HE	BT Reflex RRE180HE	BT Reflex RRE200HE	BT Reflex RRE250HE
Adjustable fork width					●	●	●	●	●
Automatic deceleration	●				●	●	●	●	●
Automatic parking brake					●	●	●	●	●
Choice of chassis widths					◦	◦	◦	◦	◦
Clear-view mast/overhead guard	●				●	●	●	●	●
Transitional Lift control (TLC)					●	●	●	●	●
Transparent overhead guard					◦	◦	◦	◦	◦
Electronic braking system	●				●	●	●	●	●
Electronic regenerative brakes (motor)					●	●	●	●	●
Electronic support arm brakes	●				◦	◦	●	●	●
Enclosed, heated cab					●	◦	◦	◦	◦
High-capacity battery models					◦	◦	◦	◦	◦
High-performance models					◦	◦	◦	◦	◦
Optimised Cornering Control (OTP)	●				●	●	●	●	●
Optimised Reach Control (OTP)					●	●	●	●	●
Optimised Speed Control <small>when mast reached out (OTP)</small>					●	●	●	●	●
Integrated sideshift					●	●	●	●	●
Fork spreader					◦	◦	◦	◦	◦
Tilting forks	●				●	●	●	●	●
Working lights					◦	◦	◦	◦	◦
Blue or Red Led Warning light	●				◦	◦	◦	◦	◦

Controls and instruments

360° progressive steering	●	●	●	●	●	●	●	●	●
180° steering	●	●	●	●	◦	◦	◦	◦	◦
Access Control (PIN codes)					●	●	●	●	●
Adjustable Control console					●	●	●	●	●
Automatic 0-tilt/sideshift					◦	◦	◦	◦	◦
Camera/monitor system					◦	◦	◦	◦	◦
Creep speed function					●	●	●	●	●
Motor temperature warning	●				●	●	●	●	●
PC preparations incl power outlet					●	●	●	●	●
Electronic controller temperature warning	●				●	●	●	●	●
Electronic height indicator					◦	◦	◦	◦	◦
Emergency cut-off	●				●	●	●	●	●
Height pre-selector					◦	◦	◦	◦	◦
Load information display					◦	◦	◦	◦	◦
Mini-joystick electronic controls					●	●	●	●	●
Multifunction control					◦	◦	◦	◦	◦
Overload warning system	●				◦	◦	◦	◦	◦

● standard ◦ option

Controls and instruments

Large colour touch display					●	●	●	●	●
Electronic steering	●				●	●	●	●	●
Smart Access (electronic card/fob)					◦	◦	◦	◦	◦
USB connector					◦	●	●	●	●
Steering direction indicator	●				●	●	●	●	●
Weight indicator					●	●	●	●	●
Fork position laser					◦	◦	◦	◦	◦
I_Site ready	●				●	●	●	●	●
Pre-Op check	●				◦	◦	◦	◦	◦

Operator features

Adjustable seat	●	●	●	●	●	●	●	●	●
Adjustable seat with safety belt					◦	◦	◦	◦	◦
Adjustable steering wheel	●				●	●	●	●	●
Armrest					◦	◦	◦	◦	◦
Manually adjustable floor					●	●	●	●	●
Electrically adjustable floor					◦	◦	◦	◦	◦
Driver detection system	●				●	●	●	●	●
Driver-adapted programmable performance	●				●	●	●	●	●
Heated seat					◦	◦	◦	◦	◦
Low step-in	●				●	●	●	●	●
Storage compartments					●	●	●	●	●
Tilting cab	●				●	●	●	●	●
Bluetooth speakers					◦	◦	◦	◦	◦

Maintenance features

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

Battery management features

Battery change facility	●	●	●	●	◦	◦	◦	◦	◦
Battery discharge prevention system	●	●	●	●	●	●	●	●	●
Battery status indicator	●	●	●	●	●	●	●	●	●
Lithium-ion battery	●	●	●	●	●	●	●	●	●

Special applications

Coldstore version	●	●	●	●	◦	◦	◦	◦	◦
Drive-in rack version					◦	◦	◦	◦	◦
EEx version (ATEX)	●	●	●	●	◦	◦	◦	◦	◦

Class-leading performance at height

The BT Reflex E-series trucks offer the highest residual capacities in class and this up to 13 m thanks to the superb stability of the truck. The reach movement is optimised according to lift height and load weight increasing speed of load handling. The Transitional Lift Control system (TLC) ensures maximum load handling speeds can be maintained in operation thanks to shock-free lifting and lowering.

Unique tilting cab

The unique E-series with tilting cab is designed to reduce the risk of strain for the driver in repetitive high-level applications. Working at height is also enhanced by the improved visibility on the load.

Totalview Concept

The clean mast and fork carriage design in combination with the transparent roof offer the driver an exceptional view on the load at all times, increasing productivity and safety. The optional fork laser enhances this even further by helping to pick pallets faster without damage.

Unique driver experience

The driver compartment is ergonomically designed around the operator. The cab offers intuitive and interactive features including an easy-to-read colour touchscreen display for enhanced performance and productivity.

Intelligent energy packs

Toyota BT Reflex trucks are available with three different intelligent energy packs to fit customer's application. Based on Toyota's own energy-efficient lithium-ion battery solutions allowing cost-saving and CO2 emissions reduction.

Smart connected trucks

All BT Reflex trucks are connected smart trucks, factory-fitted with integrated telematics and come standard with I_Site. I_Site fleet management system from Toyota contribute to help operations to reach new levels of productivity, safety and effectiveness.



TOYOTA BT REFLEX O-SERIES

BT Reflex O-series trucks are designed and built for complete versatility. They are fit for indoor as well as outdoor use thanks to the durable wheels and high ground clearance. For driver comfort, different weather protection options are available. 360° steering and advanced Transitional Lift Control improve smooth and productive material handling, for increased safety. Typical applications are block stacking in yards, servicing outdoor racking and unloading curtain-side trailers.

SPECIFICATIONS

Load capacity: 1.6t @ 600 mm load centre

Maximum lift height: 7.5 m

Maximum travel speed: 12 km/h

Maximum battery capacity: 620 Ah

Smart truck equipped with telematics hardware: 

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





Soft and elastic tyres on all wheels and 145 mm ground clearance mean the BT Reflex O-series can handle outdoor surfaces, including gradients and transitions.



The adjustable mini-joystick console allows for accurate fingertip control.



The O-series Reach truck is equipped with tyres to handle all kinds of surfaces indoor as well as outdoor.



The operator compartment offers many different storage as well as dedicated space for PC with power outlet and a USB connector.

	Safety	Durability	Productivity	Driveability	BT Reflex RRE 160HR
● standard ◦ option					
Truck features					
Adjustable fork width			●	●	●
Automatic deceleration	●			●	●
Automatic parking brake				●	●
Clear-view mast/overhead guard			●	●	●
Transitional Lift Control (TLC)			●	●	●
Transparent overhead guard				◦	●
Electronic braking system		●		●	●
Electronic regenerative brakes (motor)				●	●
Electronic speed control				●	●
Electronic support arm brakes				●	●
Optimised Cornering Control (OTP)			●	●	●
Optimised Reach Control (OTP)			●	●	●
Optimised Speed Control <small>when mast reached out (OTP)</small>				●	●
Integrated sideshift				●	●
Tilting forks			●	●	●
Working lights	●			◦	●
Blue or Red Led Warning light					◦
Controls and instruments					
360° progressive steering	●		●	●	●
180° steering				◦	●
Access Control (PIN codes)	●				●
Adjustable Control console			●	●	●
Automatic O-tilt/sideshift				◦	●
Camera/monitor system				●	●
Creep speed function	●			●	●
Motor temperature warning		●		●	●
PC preparations incl power outlet			●	●	●
Electronic controller temperature warning	●			●	●
Electronic height indicator				◦	●
Emergency cut-off	●			●	●
Height pre-selector			●	●	●
Load information display				◦	●
Mini-joystick electronic controls			●	●	●
Multifunction control				◦	●
Large colour touch display			●	●	●
Electronic steering	●			●	●
Smart Access (electronic card/fob)				◦	●
Steering direction indicator			●	●	●
Weight indicator			●	●	●
Fork position laser				◦	●
Overload warning system	●		●		◦

	Safety	Durability	Productivity	Driveability	BT Reflex RRE 160HR
● standard ◦ option					
Controls and instruments					
I_Site ready	●		●		●
Pre-Op check			●		◦
Operator features					
Adjustable seat			●	●	●
Adjustable seat with safety belt				◦	●
Adjustable steering wheel				●	●
Armrest				◦	●
Manually adjustable floor				●	●
Electrically adjustable floor				◦	●
Driver detection system				●	●
Driver-adapted programmable performance			●	●	●
Heated seat			●	◦	●
Low step-in	●			●	●
Storage compartments			●	●	●
Writing table				◦	●
USB connector			●	●	●
Bluetooth speakers				◦	●
Maintenance features					
Easy access for maintenance		●	●	●	●
Fault diagnosis facility			●	●	●
Historic fault log				●	●
Battery management features					
Battery change facility			●	◦	●
Battery discharge prevention system		●	●	●	●
Battery status indicator			●	●	●
Sideways battery change				◦	●
Lithium-Ion battery			●	●	●
Special applications					
EEx version (ATEX)	●			◦	●
Weather protection solutions			●	●	◦

Transitional Lift Control (TLC)
The patented and unique Transitional Lift Control system ensures completely smooth, shock-free lifting and lowering, even at maximum speed.

Totalview concept
The clean mast and fork carriage design in combination with the transparent roof offer the driver an exceptional view on the load at all times, increasing productivity and safety.
The optional fork laser enhances this even further by helping to pick pallets faster and without damage.

All-weather protection
A choice of weather protection options ensures that the BT Reflex O-series can operate in all conditions: overhead and mast-direction windows; additional side windows; and a fully enclosed cab with door and fan heater/ventilation.

Unique driver experience
The driver compartment is ergonomically designed around the operator. The cab offers intuitive and interactive features including an easy-to-read colour touchscreen display for enhanced performance and productivity.

TPS-based reliability
Like all Toyota trucks, the BT Reflex reach trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.

Smart connected trucks
All BT Reflex trucks are connected smart trucks, factory-fitted with integrated telematics and come standard with I_Site. I_Site fleet management system from Toyota contribute to help operations to reach new levels of productivity, safety and effectiveness.



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 95% 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.

