

Toyota Very Narrow Aisle Trucks

The Vector Range



Vector R-series

MAN-DOWN VNA TRUCK



Man-down VNA truck suitable for pallet handling in medium-intensity operations. Turret head forks or high speed slide-through fork versions

1.25 – 1.5 TONNES LOAD CAPACITIES

LIFT HEIGHTS UP TO 11.3 M

Vector A-series

MAN-UP VNA TRUCK WITH ARTICULATED CHASSIS



Trucks with articulated chassis providing high-level order picking and full-pallet handling and the space saving benefits of advanced VNA operation.

1.25 – 1.5 TONNES LOAD CAPACITIES

LIFT HEIGHTS UP TO 14.3 M



TOYOTA VECTOR R-SERIES

For man-down work, the Vector R-series is based on the class-leading Reflex reach truck. It is available with turret-head fork design or shuttle forks (VRE125SF), which require less aisle-width and allow high-speed lateral pallet handling.

SPECIFICATIONS

Load capacity: 1.25, 1.5 t @ 600 mm load centre

Maximum lift height: 11.0 m (11.3 m for VRE125SF)

Maximum battery capacity: 930 Ah

Options available: | **Site**  





Load camera option



Aisle camera option



Auto-rotation option



Easy servicing

● standard ◦ option

Truck features

	Safety	Durability	Productivity	Driveability	Vector VRE 125	Vector VRE 125SF	Vector VRE 150
Adjustable fork width			●	●	●	●	●
Automatic parking brake	●			●	●	●	●
Optipace System	●			●	●	●	●
Choice of chassis widths			●	●	●	●	●
Clear-view mast	●			●	●	●	●
Clear-view overhead guard				●	●	●	●
Electronic braking system	●	●		●	●	●	●
Electronic regenerative brakes (motor)			●	●	●	●	●
Electronic speed control			●	●	●	●	●
Electronic support arm brakes	●			●	●	●	●
Enclosed cab				◦	◦	◦	◦
Fork spreader				◦	◦	◦	◦
Shuttle forks					●		
Warning beacon	●				◦	◦	◦
Wire/rail guidance	●				◦	◦	◦
Working lights	●				◦	◦	◦

Controls and instruments

360° progressive steering	●		●	●	●	●	●
Access Control (PIN codes)				●	●	●	●
Adjustable Control console			●	●	●	●	●
Automatic deceleration	●			●	●	●	●
Auto-rotation of forks	●				◦	◦	◦
Camera/monitor system	●				◦	◦	◦
Drive motor temperature warning	●	●			●	●	●
E-bar			●	●	●	●	●
Electronic controller temperature warning	●	●			●	●	●
Electronic fingertip controls	●		●	●	●	●	●
Electronic height indicator			●	●	●	●	●
Emergency cut-off	●				●	●	●
Height pre-selector	●		●	●	◦	◦	◦
Hour meter					●	●	●
Load information display	●				◦	◦	◦
Mini-joystick electronic controls			●	●	●	●	●
Multifunction control				◦	◦	◦	◦
On-board data terminal mount			●	●	◦	◦	◦
Parking brake	●				●	●	●
Pedals as in a car	●			●	●	●	●

● standard ◦ option

Controls and instruments

	Safety	Durability	Productivity	Driveability	Vector VRE 125	Vector VRE 125SF	Vector VRE 150
Power/Electronic steering	●			●	●	●	●
Split control panel				●	●	●	●
Steering direction indicator	●				●	●	●
Weight indicator	●				●	●	●

Operator Features

Adjustable seat	●			●	●	●	●
Adjustable seat with safety belt					◦	◦	◦
Adjustable steering wheel	●			●	●	●	●
Driver detection system					●	●	●
Driver-adapted programmable performance	●				●	●	●
Heated seat			●		◦	◦	◦
Low step-in	●				●	●	●
Storage compartments					●	●	●
Writing table					◦	◦	◦

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			●	●	●	●	●
Heavy-duty battery compartments			●	●	●	●	●
Regenerative lowering					●	●	●
Sideways battery change			●		●	●	●

Special applications

Coldstore version		●			◦	◦	◦
EEx version (ATEX)	●				◦	◦	◦

Compact design

The truck has a very small footprint which means less space is needed for aisle transfer allowing better use of storage space.

High performance with TLC

Travel speeds up to 14 km/h and high-speed lifting/lowering ensure maximum productivity. The patented and unique Transitional Lift Control (TLC) system ensures completely smooth, shock-free lifting and lowering, even at maximum speed.

Totalview Concept

The design of the overhead guard is also patented and unique to Vector R-series trucks. It provides a clear upward view to the forks when working at height.

Optipace

Optipace controls the speed of the truck when operating in narrow aisles, providing the highest safe drive speed taking into account the load weight and operating height.

TPS-based reliability

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

Vector model VRE150 available in Australia



TOYOTA VECTOR A-SERIES

Toyota's Advanced VNA concept is based on the Vector A-series, which has unique space saving and productivity enhancing features. Its articulated chassis provides excellent stability and minimises the space required for aisle-to-aisle transfer, allowing more warehouse space to be used for storage. Productivity levels are exceptional, with outstanding work-rates.

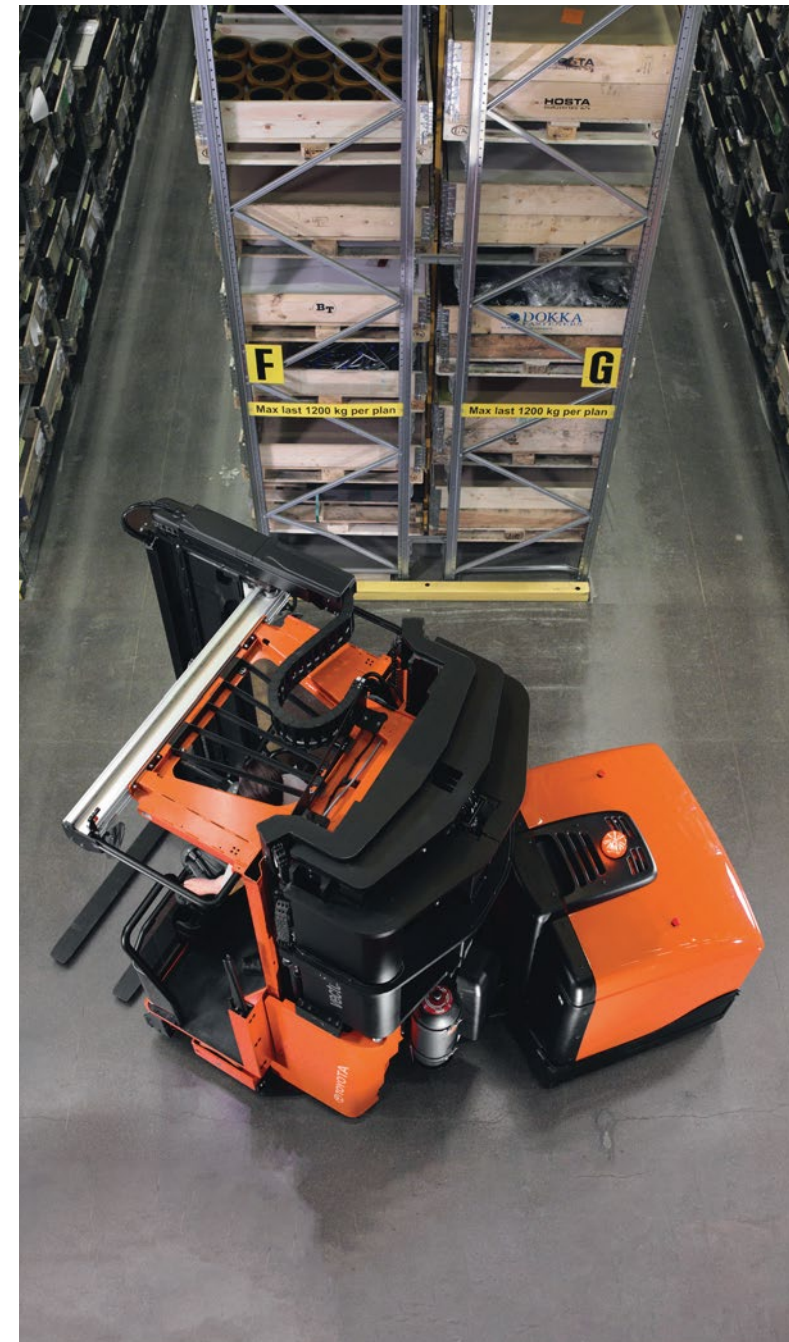
SPECIFICATIONS

Load capacity: 1.25, 1.5 t @ 600 mm load centre

Maximum lift height: 15.7 m

Maximum battery capacity: 1240 Ah

Options available: | Site  





The A-series' Advanced Lifting System significantly reduces the amount of battery energy required to lift the cab and load, allowing two-shift operation on a single charge



Staggered front wheel arrangement increases stability while reducing floor loading



Integrated control panel



Shuttle-fork version offers maximal productivity

● standard ° option

Truck features

	Safety	Durability	Productivity	Driveability	Vector VCE125ASF	Vector VCE150A
Adjustable fork width			●		●	●
Articulated chassis			●	●	●	●
Automatic parking brake	●			●	●	●
Advanced Lifting System (ALS)			●		●	●
Optipace System	●			●	●	●
Choice of cab widths			●		●	
Choice of chassis widths			●		●	●
Clear-view mast	●			●	●	●
Clear-view overhead guard			●		●	●
Electronic braking system	●	●		●	●	●
Electronic regenerative brakes (motor)			●		●	●
Electronic speed control			●		●	●
Electronic support arm brakes					°	°
Elevating platform	●			●	●	●
Enclosed cab					°	°
Fork spreader						°
Shuttle forks			●		●	
Sideshift	●					°
Warning beacon	●				●	●
Wire/rail guidance			●	●	°	°
Working lights	●				°	°

Controls and instruments

Adjustable Control console			●	●	●	●
Automatic deceleration	●			●	●	●
Auto-rotation of forks			●			°
Camera/monitor system					°	°
Drive motor temperature warning	●	●			●	●
Electronic controller temperature warning		●			●	●
Electronic fingertip controls	●		●	●	●	●
Electronic height indicator			●		●	●
Emergency cut-off	●				●	●
Height pre-selector			●	●	°	°
Hour meter					●	●
Parking brake	●				●	●
Power/Electronic steering	●		●	●	●	●

● standard ° option

Controls and instruments

	Safety	Durability	Productivity	Driveability	Vector VCE125ASF	Vector VCE150A
Programmable gate security	●				●	●
Steering direction indicator	●		●	●	●	●
Weight indicator	●		●		●	●

Operator Features

Adjustable seat	●		●	●	●	●
Adjustable steering wheel	●		●		●	●
Driver detection system					●	●
Driver-adapted programmable performance	●				●	●
Folding seat			●	●	●	●
Heated seat					°	°
Low step-in	●				●	●
Writing table			●	●	°	°

Maintenance features

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

Battery management features

Battery change facility			●		●	●
Battery discharge prevention system		●	●		●	●
Battery status indicator			●		●	●
Regenerative lowering					●	●
Sideways battery change			●		●	●

Special applications

Coldstore version		●			°	°
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Unique articulated chassis design

The Vector A-series unique articulated chassis allows it to drive between aisles using a transfer aisle up to one metre narrower than that required by a non-articulated truck. This means that typically an extra four pallet positions can be provided on each level within an aisle, and with lift heights to well over 14 metres it can result in up to 60 extra pallet positions per aisle. This gives substantial cost savings in terms of space, but not at the cost of productivity aisle transfer typically takes less than 10 seconds.

Advanced Lifting System

The energy required to lift the cab and load is significantly reduced by Toyota's Advanced Lifting System. It is a fully integrated combination of hydraulic and gas-pressure lifting, using precise electronic control for seamless and smooth operation. Inert nitrogen is compressed in a sealed system as the cab is lowered. The stored energy is then used to aid the next lifting movement. As a result the lift motor is working to lift little more than the weight of load itself, saving energy.

Two-shift operation is possible on a single charge.

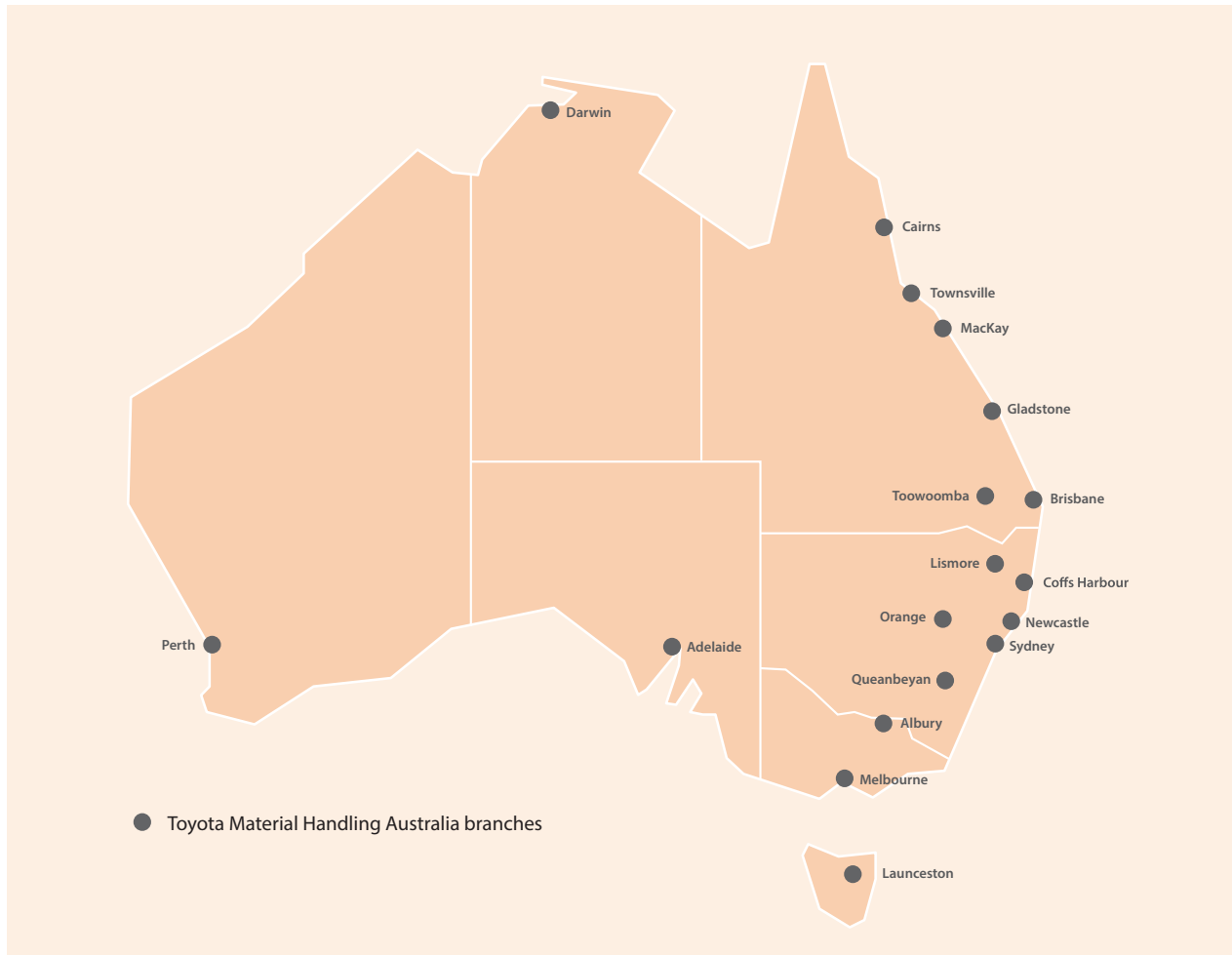
Optipace

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TPS-based reliability

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Solutions For Every Pallet®



Whether you own a single forklift or a fleet, we want to show you why Toyota Material Handling is Australia's leading forklift company.

We recognise that choosing the right supplier is just as important as choosing the forklifts and warehouse equipment that will meet your needs. Whether we are supplying you with a single spare part, a rental forklift, or helping you manage your entire fleet, our objective and commitment remains the same – adding value to your operation.

That's the Toyota Advantage.


The benefits of dealing with Toyota Material Handling include:

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- Toyota's legendary quality, durability and reliability
- Leading product, safety and environmental initiatives
- 100% Toyota owned branches
- Australia's largest rental fleet with over 24,500 units
- Forklift rentals from 1 day to 5 years with flexible finance options available
- 450+ service support staff & 300+ service vans.

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