# Toyota Electric Counterbalanced Trucks

Toyota Traigo 48 series with Lithium-Ion Battery



# Lithium-Ion range from Toyota

With this Lithium-lon offer, we are able to provide energy-efficient, flexible and cost-saving solutions that fit every type of customer operation.

The Lithium-Ion battery technology is especially beneficial in multi-shift operations. As these batteries allow for opportunity charging, battery change is no longer needed, and neither are spare batteries or charging rooms. Instead, trucks can be recharged quickly by the operator during breaks. Eventually, unnecessary downtime is reduced to a minimum, resulting in higher productivity in the operation. Lithium-Ion batteries also have proven to be 30% more energy-efficient than lead-acid batteries, significantly reducing CO2 emissions. In combination with a lifecycle that is 4 times longer, these batteries really are environmentally conscious. Investing in Lithium-Ion technology leads to a better driver experience, as well as higher flexibility, productivity and energy efficiency, while taking the environment into account.

## **Key advantages**

Lithium-lon based truck technology is continuously developing to offer considerable advantages over conventional lead acid powered trucks in terms of energy efficiency, environment, simplicity and return on investment.

### Energy efficiency/environment

- 30% saving on energy
- Reduced CO2 emissions
- No extra battery
- Longer lifecycle (4 times longer)

#### Simplicity/ease of use

- No battery change
- No separate charging room
- No maintenance (no water to fill in)
- Opportunity quick charging (during breaks)
- 1 truck 1 battery (no extra battery needed)

#### Return on investment

- Add flexibility to your operation
- Cost-saving in the long term
- Increased efficiencies

# Toyota Traigo 48

48-VOLT 3 & 4-WHEEL TRUCK



Powerful all-round trucks for light to more intense use

1.5 – 2.0 TONNES LOAD CAPACITIES TRAVEL SPEED UP TO 20 KM/H



# TOYOTA

# TRAIGO 48 -3-wheel

Manoeuvrability is key to the design of the Traigo 48, allowing easy use in the tightest situations, for maximum productivity. The 3-wheel chassis is particularly agile, with a very competitive aisle width dimension. This means that Traigo 48 is as effective working inside within pallet racking as it is working outside in the yard or in a loading bay.

# SPECIFICATIONS

**Load capacity:** 1.5, 1.6, 1.8, 2.0 t @ 500 mm load centre

Maximum lift height: 7.5 m

Maximum travel speed: 16 km/h

Maximum battery capacity: 300Ah - 420Ah

Options available: I\_Site







Different pedal layouts to suit driver preference. (Double pedal layout option shown)



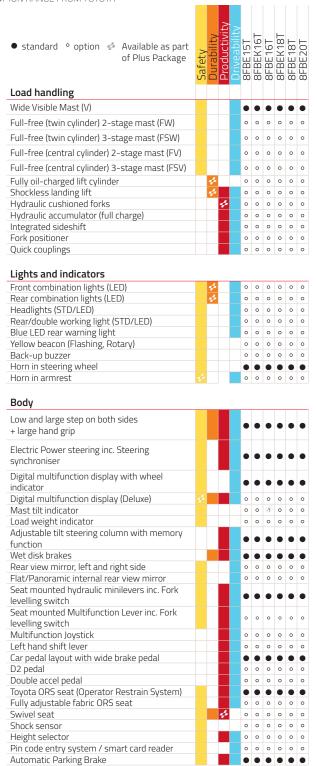
Rear-assist grip enhances reverse travel comfort and productivity by reducing operator back strain. Optional swivel seat facilitates reversing and getting in and out.



Lithium-lon batteries are maintenance free and allow a very short charging time.



Powerful yet energy-efficient optional LED working lights increase visibility and allow work to continue in dark or unlit areas.



Safety	Durability	Productivity	Driveability	8FBE15T	8FBEK16T	8FBE16T	8FBEK18T	8FBE18T	8FBE20T
_						_			_
				0	0	0	0	0	0
				0	0	0	0	0	0
				0	0	0	0	0	0
				0	0	0	0	0	0
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				0	0	0	0	0	0
	Safety	Safety Durability			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				

#### Safety features

Toyota SAS (System of Active Stability)			•	•	•	•	•	•
Operator Presence Sensing System (OPS)			•	•	•	•	•	•
Max speed and acceleration reduction with lifted load	4		0	0	0	0	0	0
Emergency stop button in armrest			0	0	0	0	0	0

### Maintenance & management features

- U								
Rugged exterior body and easy access for maintenance			•	•	•	•	•	•
I-site fleet management system			0	0	0	0	0	0
Pre-operational check			0	0	0	0	0	0

### Battery management features

Battery lift-out		0	0	0	0	0	0
Battery low lift-out		0	0	0	0	0	0
Battery roll-out		0	0	0	0	0	0
Battery side-out for fork pockets		0	0	0	0	0	0

#### Special applications

Special applications							
Rustproof model		0	0	0	0	0	0
Fisherman model		0	0	0	0	0	0
Drive in rack overhead guard		0	0	0	0	0	0
High overhead guard		0	0	0	0	0	0
Low overhead guard		0	0	0	0	0	0

### Toyota SAS

The unique System of Active Stability (SAS) is the world's first active system for controlling forklift stability. By protecting the operator and load when driving, turning and lifting, SAS provides advanced technology increasing safety in the workplace and improving productivity. It includes: SAS Active Mast Tilt Angle Control, SAS Active Mast Tilt Speed Control, SAS Fork Levelling, SAS Active Steering Synchroniser.

## Easy driver interface

The multifunction display, which is easy to see and reach, gives key information at a glance. It also allows for parameter setting to suit driver or application needs, as well as providing fault diagnosis. The driver has the benefit of a fully adjustable Operator Restraint System (ORS) with side-wings and lumbar support, along with an adjustable steering column. The steering column itself is very slim, for maximum legroom.

## Class-leading in energy efficiency

Delivering class-leading productivity through increased performance with less energy consumption.

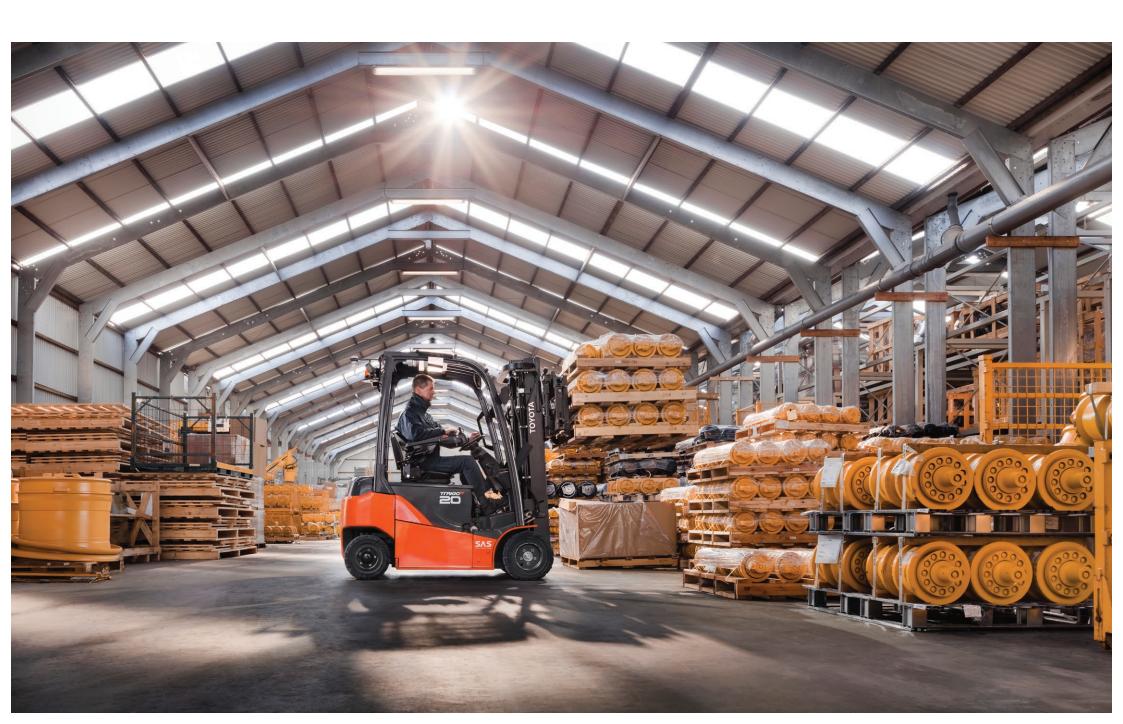
Traigo 48 models are highly energy-efficient, in combination with the li-ion battery for intensive operations.

Li-ion battery technology provides exceptional battery life and the option for fast, opportunity charging at any time, revolutionising battery management and eliminating the need

## TPS-based reliability

for battery change in multi-shift applications.

Like all Toyota trucks, Toyota Traigo 48 trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.



# TOYOTA

# TRAIGO 48 -4-wheel

Versatile, high-performance and powerful trucks, with travel speed up to 20km/h, quick acceleration and lift/lower speeds. The 4-wheel design gives high-level stability and is ideal for work on uneven surfaces. Suitable for indoor and outdoor work.

# SPECIFICATIONS

**Load capacity:** 1.6, 1.8, 2.0 t @ 500 mm load centre

Maximum lift height: 7.5 m

Maximum travel speed: 20 km/h

Maximum battery capacity: 300 Ah-420Ah

Options available: I\_Site







Fully adjustable Operator Restraint System (ORS) with side-wings and lumbar support. Now with a longer belt latch that is quicker and easier to locate for the operator, increasing safety in the workplace.



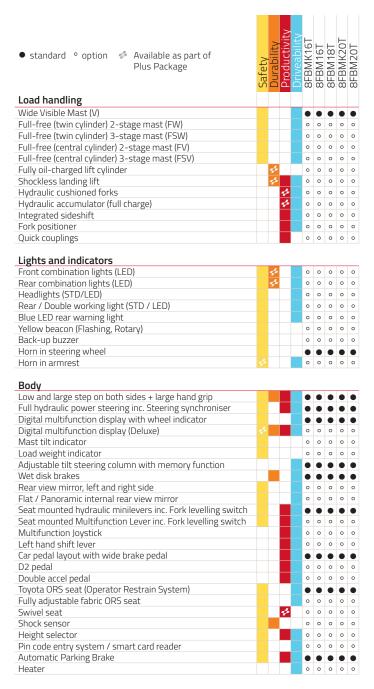
Multifunction display gives key information at a glance, and allows the parameter settings to be adjusted to suit the needs of the application.



Lithium-lon batteries are maintenance free and allow a very short charging time.



Visibility FV mast provides a clear view at all angles.



• standard ° option	Safety	Durability	Productivity	Driveability	8FBMK16T	8FBM16T	8FBM18T	8FBMK20T	8FBM20T
Body									
Tilt cylinder boots					0	0	0	0	0
Comfort cabin					0	0	0	0	0
Steel cabin					0	0	0	0	0
Cabin without doors					0	0	0	0	0
Canvas cabin					0	0	0	0	0
Front windshield with wiper & roof					0	0	0	0	0
Body guard					0	0	0	0	0
Rear assist grip with horn button			ø		0	0	0	0	0
A4 size binder					0	0	0	0	0

#### Safety features

		•	•	•	•	•
		•	•	•	•	•
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
	4- 4-	4	· · · · · · · · · · · · · · · · · · ·			

# Maintenance & management features Rugged exterior body and easy access for maintenance I-site fleet management system Pre-operational check

#### Battery management features

Battery lift-out	0	0	0	0	0
Battery low lift-out	0	0	0	0	0
Battery roll-out	0	0	0	0	0
Battery side-out for fork pockets	0	0	0	0	0

#### Special applications

Special applications					
Rustproof model	0	0	0	0	0
Fisherman model	0	0	0	0	0
Drive in rack overhead guard	0	0	0	0	0
High overhead guard	0	0	0	0	0
Low overhead guard	0	0	0	0	0

### Toyota SAS

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## Class-leading in energy efficiency

Delivering class-leading productivity through increased performance with less energy consumption.

Traigo 48 models are highly energy-efficient, in combination with the li-ion battery for intensive operations.

Li-ion battery technology provides exceptional battery life and the option for fast, opportunity charging at any time, revolutionising battery management and eliminating the need for battery change in multi-shift applications.

## TPS-based reliability

Like all Toyota trucks, Toyota Traigo 48 trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.

The data in this brochure was determined based on our standard testing condition. Operating performance may vary depending on the actual specifications and condition of the vehicle, as well as the conditions of the operating area.

Due to photography and printing, color of actual vehicle may vary from this brochure. Some photos have been computer-enhanced.

Availability and specifications are determined by market and are subject to change without notice.

Safe forklift operation is achieved by proper operator training and proper worksite rules. Please consult your Toyota representative regarding forklift selection and operator training. Please consult your Toyota representative for details.

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