

6.0 – 8.5 tonne  
Electric Powered Forklifts



**TOYOTA**

MATERIAL HANDLING

stronger together



# The Toyota Traigo HT

Safety – Productivity – Durability – Comfort

The **Toyota Traigo HT** counterbalanced forklift is a heavy-duty electric truck designed to excel in its safety, productivity, durability and comfort.

It extends the Toyota Traigo electric range into new capacities of 6.0 tonnes to 8.5 tonnes and has all of the characteristics that distinguish electric Toyota counterbalance trucks such as the unique System of Active Stability (SAS) and the Toyota AC<sup>2</sup> power system. This means that Traigo HT offers ground-breaking productivity, with the highest driving speed in its class. Moreover, in combination with AC<sup>2</sup>, the high-capacity 1250 Ah batteries mean these all-new models will operate at peak effectiveness for long periods of time, with superior battery efficiency enhancing reliability and maximizing uptime.

Typical applications are manufacturing, construction materials, and the paper and beverage industries. For those operations that prefer electric counterbalance trucks, Traigo HT now offers the choice of high-performance and high-capacity for heavy-duty work. Powerful, quiet, smooth and clean, Traigo HT is as at home working indoors as outside.

Now there is a new choice: Toyota Traigo HT.

# Safety first

The Traigo HT easily lifts loads of up to 8.5 tonnes and has a maximum lift height of 6.5 metres. In these conditions safety is everything, which is why Traigo HT has been designed from the ground up with Toyota's unique System of Active Stability (SAS).

## Stability at all times

Toyota's SAS is an exclusive technology designed to actively enhance forklift safety. By protecting both the operator and the load when the truck is driving, turning and lifting, SAS provides advanced technological support for safe operating practices. In addition, drive speed optimisation with lifted loads ensures trucks operate at the optimal speed when handling loads at height.

## Safe driving, intuitively

Traigo HT's standard pedal layout is the same as in a car, helping the operator to concentrate on the job in hand. A steering wheel direction indicator on the dashboard shows the rear wheel position at a glance so the truck always moves in the direction that the operator expects it to. A similar indicator, offered as an option, shows the operator the current tilt angle of the mast at all times, making pallet entry easier and, thereby, faster and safer.



### Maximum mast control

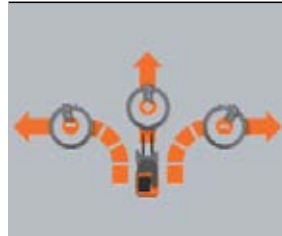
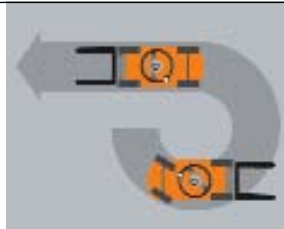
If the SAS Active Mast Function helps prevent loads from slipping or falling, and the truck from tipping over due to longitudinal instability. It activates two vital functions:

- 1) Active Mast Front Tilt Angle Control senses load weight and mast height, then automatically overrides the operator's manual control to limit forward tilt, decreasing the chance of dropped loads or worse, tip-over accidents.
- 2) Active Mast Front and Rear Tilt Speed Control limits the mast's tilting speed at height, helping to prevent loose loads from dropping on to the driver's cabin.



## Safer manoeuvring

The SAS Active Steering Synchroniser aligns the position of the steered wheels so that the driving knob is always in the same position in relation to the wheels. The result: a safe and comfortable driving position.



### Automatic speed reduction when cornering

The speed of the truck is automatically reduced when cornering to enhance lateral stability and reduce the risk of tipping.

## Easier stacking and unloading

SAS Fork Levelling Control ensures quicker positioning of pallets and helps to prevent damage to goods. It enables drivers to place the forks perfectly horizontal at the push of a button, which simplifies loading and unloading.



Safety is further reinforced by Traigo HT's outstanding all-round visibility



The steering wheel direction indicator shows the rear wheels' alignment to the operator at a glance

# Works hard

The Toyota Traigo HT is the fastest-driving and fastest-lifting truck in its class.



## AC<sup>2</sup> = performance

Toyota developed the 80 V motors and controllers together for full compatibility, maximizing both performance and efficiency. Acceleration is smooth and rapid to the class-leading top speed of 16 km/h. Every time the truck decelerates or the brakes are applied energy is regenerated and reused to extend the time the battery can serve before being recharged.

## Choose your response

Traigo HT's choice of three pre-set power settings allows the operator to select the appropriate performance for each application. Standard 'S' mode ensures a minimal level of

energy consumption, while high power 'H' mode gives maximum performance. Power 'P' mode gives the optimum balance between the two. A programmable 'C' (custom) mode is also available. The Traigo HT's standard configuration features an 'Accel-off' function that automatically applies smooth braking as soon as the accelerator is released.

## The pedals your operators are used to

The pedals are arranged as in a car as standard, for an intuitive driving experience. In addition, Traigo HT can also be specified with alternative pedal layouts to suit each operator's experience.



Traigo HT's display



Easy 'lift out' battery extraction

# Built to last, built for the driver

Toyota Traigo HT has a rugged exterior and a comfortable interior, making it a great place to work.

### Quality throughout

Toyota Traigo HT has been designed and is being manufactured according to the renowned Toyota Production System (TPS). This ensures the highest levels of quality throughout the manufacturing process, from the components through to assembly and testing.

### Clear, concise information

Traigo HT's multifunction display shows a wide range of essential information in a simple and clear way, helping the operator focus on the work being done.

If a fault does occur, the multifunction display can show a service menu for easy diagnosis. All key components are easily accessible, ensuring that downtime is kept to an absolute minimum. Traigo HT's wet disc brakes ensure that these key components require minimal servicing while delivering maximal performance.

### Comfortable inside

The operator's comfort has been considered at all stages of Traigo HT's development. It has an excellent truck/operator interface and low vibration – a key advantage of an electric truck.

For a start, Traigo HT is easy to get into thanks to its low entry and intermediate steps with a high-grip surface. The large driver assist grip also aids mounting and dismounting – a frequent procedure in most counterbalance applications.

The seat and steering are fully adjustable and the steering column is slimline, offering more space for the driver. There is a choice of hydraulic controls between standard minilevers and optional multifunction levers. Enclosed cabins are available to suit different applications.



Mini-levers for all materials handling functions, integrated into the adjustable ergonomic seat-mounted armrest, are standard on Traigo HT



The Toyota ORS (Operator Restraint System) seat is fully adjustable and features sidewings and lumbar support, for safety and comfort



The low and wide steps and large driver assist grip ensure operator fatigue is minimized in applications that require repeatedly getting in and out of the truck



Traigo HT's compact steering wheel makes turning easier. The Active Steering Synchronizer also helps to deliver the most comfortable driving position



# Materials handling

**Toyota Material Handling has a strong European presence with its Toyota and BT brands, establishing close geographic links with its customers in order to better respond to their needs. Toyota Material Handling Europe has operations in more than 30 countries, and production centres in Ancenis (France), Bologna (Italy) and Mjölby (Sweden).**

## **Toyota Production System**

The Toyota Production System (TPS) empowers team members to optimise quality by constantly improving processes and eliminating unnecessary waste of resources. TPS includes a common set of knowledge, values and procedures, entrusts employees with well-defined responsibilities in each production step, and encourages each staff member to strive for overall improvement. Today, TPS is the acknowledged reference among automotive manufacturers and related industries. Our methods enable businesses to achieve sustained gains in productivity while satisfying customer expectations for quality and reliability.

## **Research & Development**

Toyota Material Handling benefit from Toyota's vast experience in the automotive industry, especially in engine development. By taking full advantage of the group's massive R&D facilities and engineering expertise, Toyota has developed a number of world-class technologies. Intelligent use of electronic and computer controlled devices has also made a significant contribution to creating more ergonomic and user-friendly operator environments, contributing to safety in the workplace.

## **Empowering your business**

Our services and solutions are designed to provide different

levels and types of support in response to individual customer's needs. This approach gives our customers the power to focus on their core business.

## **Our commitment to the environment**

Toyota believes that getting the job done should never be at the expense of our environment. Our long-term commitment is to develop and deliver environmentally friendly and economically viable materials handling solutions that respect present and future energy needs. Toyota strives to reduce environmental impact throughout the product life cycle, from design, manufacturing and operation through to recycling at end-of-life. Toyota's production centres are all ISO 14001 certified. A declaration of the emissions and waste during the manufacturing process and typical life cycle is available on request.

With its emphasis on eliminating waste, TPS also helps to reduce the environmental impact of our manufacturing activities. CO<sub>2</sub> emissions, water consumption, waste-water generation and landfill quantities have all been reduced, while recycling levels for packaging, water and scrap have been raised. Hazardous substances and air pollutants have also been reduced. Moving towards the creation of a recycling-oriented society, Toyota seeks to continuously improve the recyclability levels of its products.

## Choose the features that suit your needs

<b>Safety</b>	Standard	Option
ORS seat with sidewings and seat belt	x	
SAS Mast Front Tilt Angle Control	x	
SAS Mast Front and Rear Tilt Speed Control	x	
SAS Fork Levelling	x	
SAS Active Steering Synchronizer	x	
SAS Key Lift Interlock	x	
Operator Presence Sensing (OPS)	x	
Maximum drive speed setting	x	
Maximum drive speed reduction with lifted load		x
Acceleration reduction with lifted load		x
Mast tilt indicator		x
Flashing beacon		x
Back-up (reversing) buzzer		x
Panoramic mirror		x

<b>Productivity</b>	Standard	Option
AC <sup>2</sup> technology	x	
Car pedal layout	x	
D2 pedal		x

<b>Durability</b>	Standard	Option
Wet disc brakes	x	
Rugged exterior body	x	
Maintenance hour meter	x	

<b>Comfort</b>	Standard	Option
Mini-levers	x	
Low and wide step	x	
Large driver assist grip	x	
Slimline steering column	x	
Small steering wheel diameter	x	
Adjustable steering column angle	x	
Digital displays for easy reading of operational parameters	x	
Fabric seat		x
Multifunction levers		x
Fully enclosed cabins for comfort in outdoor elements		x

<b>Environment</b>	Standard
ISO 14001 certification of Toyota factory	x

## Specifications

<b>Model designation</b>		<b>8FBMHT60</b>	<b>8FBMHT70</b>	<b>8FBMHT85</b>
Load capacity	[kg]	6000	7000	8500
Load centre	[mm]	600	600	600
Maximum lift height	[mm]	6510	6510	6510
Travel speed with/without load	[km/h]	14/16	14/16	13.5/16
Length to fork face	[mm]	3225	3245	3338
Height of overhead guard	[mm]	2570	2570	2570





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