

1.5 – 3.5 ton
Engine Powered Forklift



*Use up to 30% less fuel**



choose Toyota Toneró Optimax

* **Work cycle** – At Toyota we recognize that each application is different, but all involve horizontal travel and lifting/lowering, both with and without loads. The work cycle includes unloading at lorry bed height and a 30 metre driving distance to a placement of loads at ground level and a final lift of 2.7 metres. The result was that Toneró Optimax used 30% less fuel for the same work as a standard Toneró. (Compared to Toyota Toneró 2.5 diesel (1DZ) equipped with PSC tyres).

Minimize fuel. Maximize safety. Optimize performance.

Sold in Europe as the Toyota Tonero, Toyota's engine-powered forklifts are the best-selling forklift trucks worldwide in the 1.5 – 3.5 ton range. It is also the best in its class for safety, productivity, durability, comfort and the environment. All Toyota Tonero models feature Toyota's unique System of Active Stability (SAS) – the world's first active system for controlling forklift stability. SAS helps maintain the stability of the vehicle in all conditions and protects both the operator and load when the vehicle is driving, turning or lifting. This maximizes comfort, and therefore productivity, as well as safety.

The Toyota Tonero Optimax is born out of Toyota's philosophy of continuous improvement (*kaizen*). Depending on your priorities, all of the advantages of the innovative and flexible Toyota Tonero can now be enjoyed with fuel savings of up to 30%. *How is it done?*



Automatic lifting control

This feature prevents unnecessary fuel use due to over-revving. With the Toyota Tonero Optimax there is no need to press the accelerator when lifting – lift speed is automatically adjusted for maximal efficiency and low fuel consumption. If extra power is needed it's there with a press on the accelerator.



Optimax display

The Toyota Tonero Optimax display is the operator's control over truck performance. With one press, performance parameters are optimized for fuel economy, achieving the best combination of productivity and fuel efficiency.



Low-rolling resistance tyres

The Toyota Tonero Optimax features new tyres that offer significant fuel savings compared to conventional pneumatic tyres. How is this achieved?

- Two circumferential grooves improve steering and cornering stability
- A central rib and small tread-lug gaps offer greater driving comfort and smoother running
- A lower rolling resistance reduces heat build-up and energy consumption



Option for Toyota Tonero Optimax: engine cut-off with adjustable timer

How to avoid wasting fuel by unnecessary idling

The Toyota Tonero Optimax knows when its driver has left the operating position thanks to a sensor in the seat. If the engine has been left running it will automatically be cut-off after 30 seconds, providing even greater fuel savings.

To protect your investment Tonero Optimax also offers advanced travel control safety features:

- Maximum driving speed limitation and controlled acceleration when carrying load at height, to reduce the risk of load spills
- Load weight indicator to help prevent over-loading, which may lead to accidents and vehicle damage

10 tips for improved fuel economy

We all share concerns about fuel costs and about the environment. Small changes in the way we drive can reduce emissions and fuel consumption and save us money. Reduce your fuel consumption even further by following these tips:

Drive considerately

- 1. Leave promptly. Don't start the engine until you're ready to go. This avoids fuel wastage due to unnecessary idling and ensures that the engine warms up as quickly as possible.*
- 2. Don't make sudden changes in speed. Maintain a steady pace within the limit of your premises. Drive smoothly, accelerate gently and read the road ahead to avoid unnecessary braking. This can also reduce your maintenance costs.*
- 3. Decelerate smoothly. When you have to slow down or stop, decelerate smoothly by releasing the accelerator in good time.*
- 4. Don't rev the engine and accelerate unnecessarily. Coasting towards a stacking destination is more efficient than both than driving quickly and stopping abruptly. Accelerating quickly uses a lot of fuel – accelerate smoothly, without straining the engine.*
- 5. Train your drivers. Good training not only improves safety but also makes your drivers more aware of how to drive efficiently; for example, they will learn to approach a stacking destination correctly at the first attempt, avoiding unnecessary manoeuvring.*
- 6. Don't idle. If you do have to stop during a handling operation, for example, to wait for the load to be ready, avoid wasting fuel by turning the engine off if it looks like you could be waiting for more than a minute.*

Service your forklift regularly

- 7. Keep up-to-date with maintenance. This is extremely important in keeping your truck fuel efficient. Get it serviced according to the manufacturer's schedule to maintain the forklift's efficiency.*
- 8. Choose the best tyres and check their condition frequently. If your truck is fitted with pneumatic tyres, make sure they are inflated correctly. Under-inflated tyres increase fuel consumption and will have a shorter life. Check tyre pressures at least once a month. Pneumatic-shaped cushion tyres need to be replaced periodically. New tyres give better grip and are bigger, therefore requiring fewer revolutions to travel the same distance, which will also lead to fuel savings.*
- 9. Engine oil and air filter. Make sure you use the correct specification of engine oil (refer to the service manual and advice from Toyota). Fluid levels should be checked every month and kept in line with manufacturer recommendations. Check the air filter – if clogged, fuel consumption will increase. Be sure to use Toyota Genuine Parts when replacing the filter to ensure optimum operation.*

Optimize your internal logistics

- 10. Toyota I_Site. This may be stating the obvious but there might be many aspects of your operation that could be optimized to reduce the overall fuel consumption of your forklift fleet. Toyota I_Site is a customized long-term solution that combines information monitoring with expert analysis to help customers make the right decisions for their material handling equipment, quickly and safely. Toyota I_Site helps customers set up the correct monitoring and reporting functions – such as driver access management, shock summary reporting and fleet usage reporting – and provide them with the information, analysis and support to reduce costs, increase productivity and improve safety.*



TOYOTA

MATERIAL HANDLING

stronger together