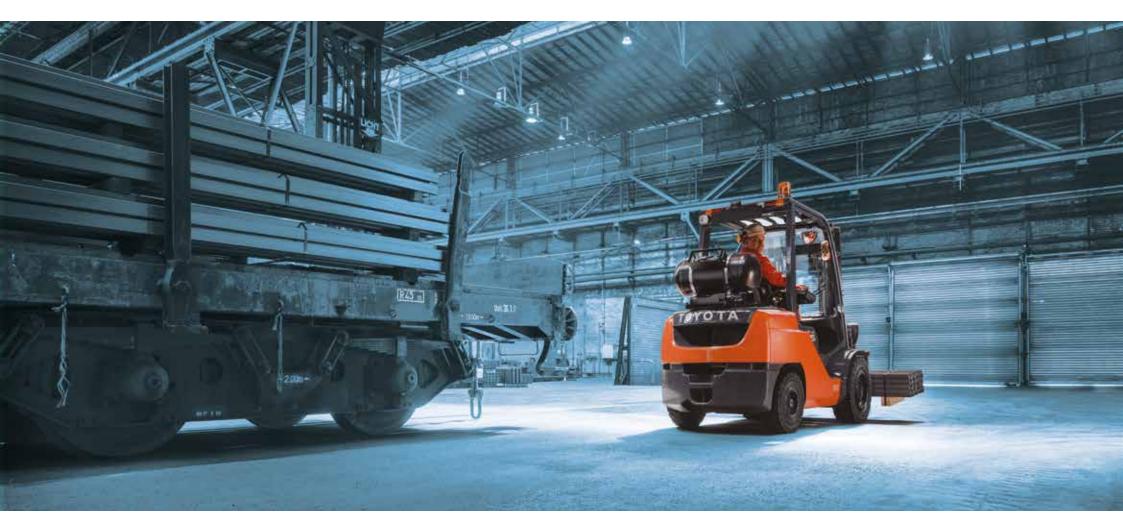
Toyota IC Counterbalanced Trucks

The Toyota Tonero Range





MATERIAL HANDLING

www.toyota-forklifts.eu

Toyota Tonero

UP TO 3.5 TONNES WITH TORQUE CONVERTER OR HYDROSTATIC TRANSMISSION



Highly productive and reliable trucks for light to heavy-duty applications

1.5 – 3.5 TONNES LOAD CAPACITIES DIESEL OR LPG ENGINES TORQUE CONVERTER OR HYDROSTATIC TRANSMISSION

P.4 (TC) / P.6 (HST)

THE TONERO RANGE | 3

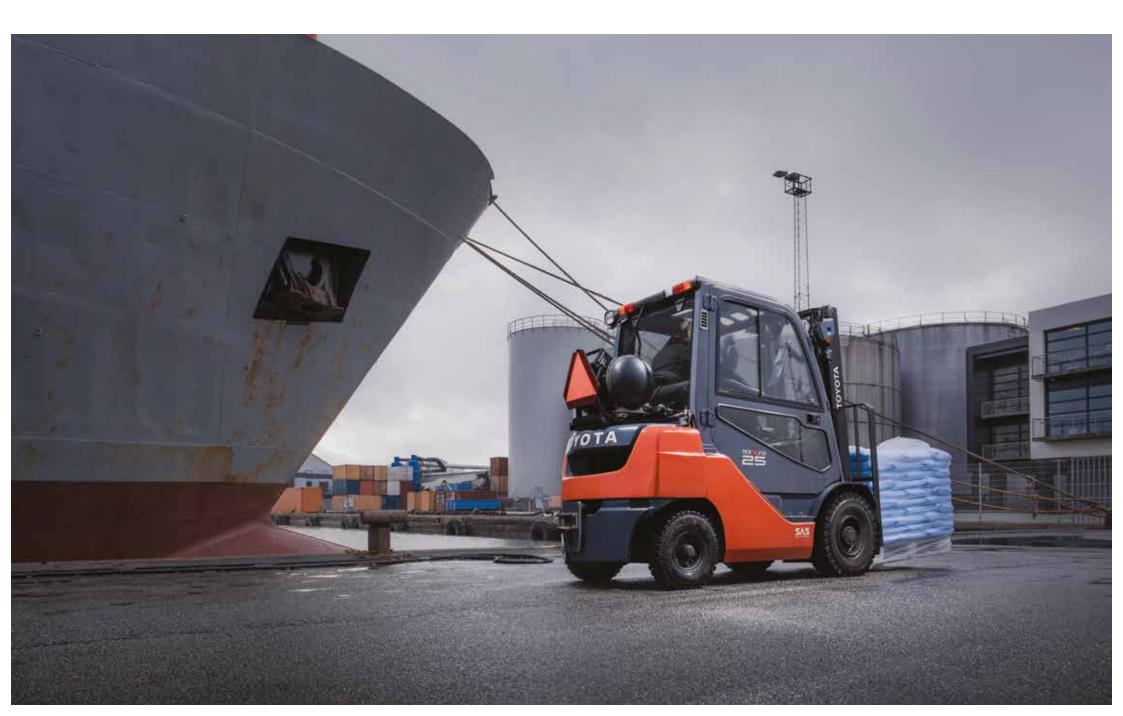
Toyota Tonero

FROM 3.5 UP TO 8.0 TONNES WITH TORQUE CONVERTER TRANSMISSION



Robust and durable trucks for heavy work or multi-pallet handling

3.5 – 8.0 TONNES LOAD CAPACITIES DIESEL OR LPG ENGINES TORQUE CONVERTER TRANSMISSION



TOYOTA TONERO WITH TORQUE CONVERTER

The Toyota Tonero is a versatile family of engine-powered counterbalanced trucks suitable for all applications up to 3,5 tonnes. They offer stability and productivity during these light to heavy-duty outdoor applications, and provide driver comfort as well as all-round visibility thanks to the wide range of cabins. These fast and manoeuvrable trucks are available with diesel or LPG engines.

SPECIFICATIONS

Load capacity: 1.5, 1.75, 2.0, 2.5, 3.0, 3.5 t @ 500 mm load centre

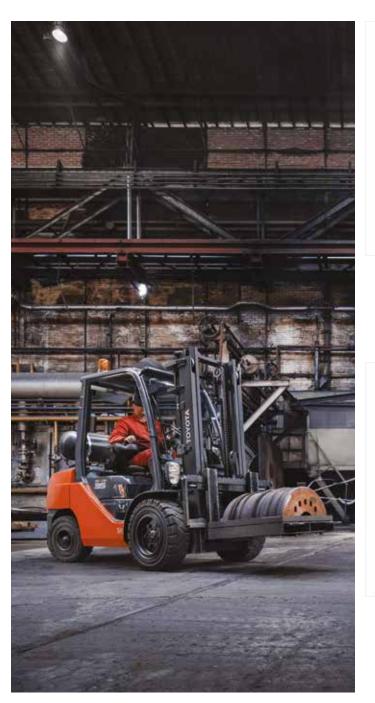
Maximum lift height: 7.0 m

Engine choice: • 1DZIII (diesel – 36 kW) • 1ZS (diesel – 41 kW) • 4Y (LPG – 38/42 kW)

Options available: 🛽 Site









Excellent fork-tip visibility for increased safety and productivity



Adjustable, comfortable and safe ORS seat



Convenient foot-operated parking brake



Optional swivel seat for more comfortable reversing

• standard ° option	Safety	Durability	Productivity	Driveability	\cap	\cap	8FG/DKF20	\cap	\cap	E	8FG/DJF35
Load handling				-	-	-		-	-		-
Wide Visible Mast (V)					•	•	•	•	•	•	•
Full-free 2-stage mast (FV)					0	0	0	0	0	0	0
Full-free 3-stage mast (FSV)					0	0	0	0	0	0	0
Hydraulic cushioned forks					0	0	0	0	0	0	0
Hydraulic accumulator					0	0	0	0	0	0	0
Fully oil-charged lift cylinder					0	0	0	0	0	0	0
Anti-rust rollers					0	0	0	0	0	0	0
Integrated sideshift					0	0	0	0	0	0	0
Hook-on sideshift					0	0	0	0	0	0	0
Fork positioner					0	0	0	0	0	0	0

Engine

Diesel version (8FDF)		•	٠	٠	•	٠	•	•
LPG Exclusive (8FGF)		•	٠	٠	٠	٠	•	•
LPG Convertible System		0	0	0	0	0	0	0
Gasoline version		0	0	0	0	0	0	0
Hydrodynamic transmission		•	٠	٠	٠	٠	٠	•
Load sensing power steering		•	٠	٠	٠	٠	٠	•
LPG refillable tank		o	0	0	0	0	0	0
High capacity cooling		0	0	0	0	0	0	0
Cold weather spec		o	0	0	0	0	0	0
Upswept exhaust		0	0	0	0	0	0	0
Catalytic muffler		o	0	0	0	0	0	0
3way catalytic muffler		o	0	0	0	0	0	0
Cyclone air cleaner		o	0	0	0	0	0	0
Pre-cleaner		o	0	0	0	0	0	0
DPF II		o	0	0	0	0	0	0
Radiator screen		o	0	0	0	0	0	0
Transmission protection system		0	0	0	0	0	0	0
High capacity battery		o	0	0	0	0	0	0
12V power supply		0	0	0	0	0	0	0
Engine cut off timer		o	0	0	0	0	0	0
High speed torque converter		o	0	0	0	0	0	0
Hydraulic oil cooler		0	0	0	0	0	0	0

Lights and indicators

Headlights			٠	٠	٠	٠	٠	٠	٠
Rear combination lights			٠	٠	٠	٠	٠	٠	٠
Flashing beacon			0	0	0	0	0	0	0
Lowered flashing beacon			0	0	0	0	0	0	0
Front combination lights			0	0	0	0	0	0	0
Rear working light with switch			0	0	0	0	0	0	0
Key off, headlight off system			0	0	0	0	0	0	0
Back-up buzzer			0	0	0	0	0	0	0

standard ° option

	Ś	ō	م	$\overline{\Box}$	ά	ö	ö	ö	ά	ά	ö
Body											
Full hydraulic power steering					٠	٠	٠	٠	٠	٠	٠
Adjustable tilt steering column					٠	٠	٠	٠	٠	٠	٠
Tilt cylinder boots					٠	•	٠	٠	٠	٠	٠
Foot operated parking brake					٠	٠	٠	٠	٠	٠	٠
OK monitor					0	0	0	0	٥	0	0
Combination meter including self					•	•	•	•	•	•	•
diagnostic system								-		0	-
Digital multifunction display (Deluxe)					0	0	0	0	0	-	0
Rear-view mirror					0	0	0	0	0	0	0
Panoramic mirror					0	0	0	0	0	0	0
Front windshield and roof					0	0	0	0	0	0	0
Cab w/o doors					0	0	0	0	0	0	0
Cab with canvas doors					0	0	0	0	0	0	0
Steel cab					0	0	0	0	0	0	0
Deluxe cabin					0	0	0	0	0	0	0
Seat mounted minilevers					0	0	0	0	0	0	0
Seat mounted multifunction levers					0	0	0	0	0	0	0
Toyota ORS seat (Operator Restraint System) (vinyl)					•	•	•	•	•	•	•
Fabric ORS seat					0	0	0	0	0	0	0
Swivel seat					0	0	0	0	0	0	0
Rear assist grip with horn button					0	0	0	0	0	0	0
D2 pedal					0	0	0	0	0	0	0
Long life coolant 50%					٠	٠	٠	٠	٠	٠	٠
Telescopic steering column					0	0	0	0	0	0	0
High overhead guard (+125 mm) + high comfort seat					o	0	o	0	0	o	o
Max speed and acceleration reduction with lifted load					0	0	0	o	0	o	o
Max drive speed setting					0	0	0	0	0	0	0
Load weight indicator					0	0	0	0	0	0	0

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Safety features

Toyota SAS (System of Active Stability)			•	٠	٠	٠	٠	•	٠
Operator Presence Sensing System (OPS)			٠	٠	٠	٠	٠	٠	٠

Tyres

Pneumatic shaped cushion tyres		•	٠	٠	٠	٠	٠	٠

Special applications

Drive in racking		0	0	0	0	0	0	0
Dusty environment spec		0	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, SAS Swing Lock Cylinder.

Toyota industrial engines

All Toyota engines are built in-house, for quality and long-term reliability. They are specifically designed for industrial applications and allow quick acceleration and optimised fuel efficiency. A choice between diesel and LPG engines. The diesel range offers 2 engines. The1DZ- III (Stage IIIA) with Load Sensing Power Steering as standard is perfect for low and medium intensity rack and block stacking. The 1ZS (Stage IIIB) with common rail fuel injection and Load Sensing Power Steering is ideal for medium to high intensity applications and when the use of heavier attachments is required. The 1ZS engine complies to stage IIIB regulation requirements without the need of a diesel particulate filter.

Torque converter transmission

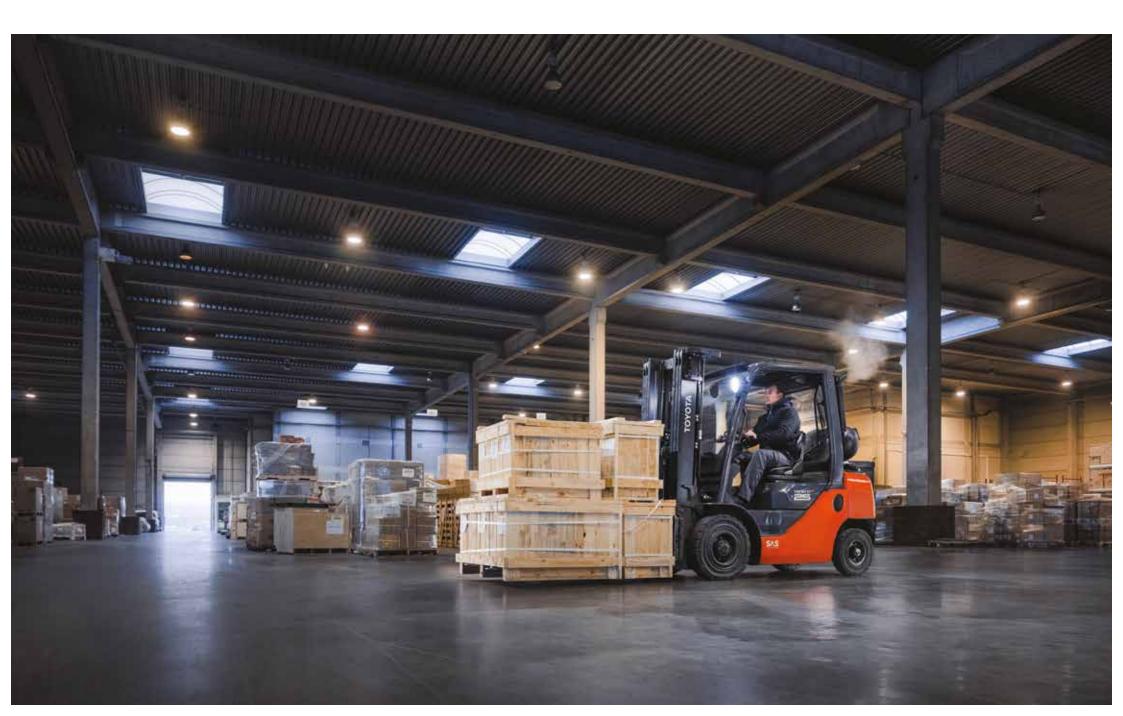
Torque converter models offer a smooth overall driving experience by powerful acceleration and the possibility of coasting, easy direction change, single speed transmission, and no gearshift.

Outstanding driver experience

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard. The workspace is comfortable and spacious, boosting productivity. The load-sensing power steering offers a highly comfortable and precise steering at all driving speeds and all load weights.

TPS-based reliability

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



TOYOTA TONERO

The Toyota Tonero is a versatile family of engine-powered counterbalanced trucks suitable for all applications up to 3,5 tonnes. They offer stability and productivity during these light to heavy-duty outdoor applications, and provide driver comfort as well as outstanding all-round visibility thanks to the wide range of cabins. The hydrostatic transmission is perfect for drivers who prefer automatic breaking when releasing the accelerator. These fast and manoeuvrable trucks are available with diesel or LPG engines.

SPECIFICATIONS

Load capacity: 1.5, 1.75, 2.0, 2.5, 3.0, 3.5 t @ 500 mm load centre

Maximum lift height: 7.0 m

Engine choice: . 1DZIII (diesel – 36 kW) . 4Y (LPG – 38/42 kW)

Available with: LSite

SλS







Minilevers in the armrest are intuitive and easy to use



Superior upward visibility aids safety and productivity



Choice of pedal layouts to suit any application (double pedal layout shown)



Easy access for maintenance maximises uptime

• standard ° option	Safety	Durability	Productivity	Driveability	8FG/D15F	-G/D1	8FG/D20F	-G/D2	8FG/D30F	8FG/DJ35F
Load handling										
Wide Visible Mast (V)					٠	•	٠	٠	٠	٠
Full-free 2-stage mast (FV)					0	0	0	0	0	0
Full-free 3-stage mast (FSV)					0	0	0	0	0	0
Hydraulic cushioned forks					0	0	0	0	0	0
Hydraulic accumulator					0	0	0	0	0	0
Fully oil-charged lift cylinder					0	0	0	0	0	0
Anti-rust rollers					0	0	o	0	0	0
Integrated sideshift					0	0	0	0	0	0
Hook-on sideshift					0	0	0	0	0	0
Fork positioner					0	0	0	0	0	0

Engine

Diesel version (8FDF)			٠	٠	٠	٠	٠	٠
LPG Exclusive (8FGF)			•	٠	٠	٠	٠	•
LPG refillable tank			0	0	0	0	0	0
Hydrostatic transmission			٠	٠	٠	٠	٠	٠
Upswept exhaust			0	o	0	0	0	0
Catalytic muffler			0	0	0	0	0	0
3-way catalytic muffler			0	0	0	0	0	0
Cyclone air cleaner			0	0	0	0	0	0
Pre-cleaner			0	o	0	0	0	0
Spark guard net			0	o	0	0	0	0
High capacity alternator, 60A			0	0	0	0	0	0
High capacity battery			0	0	0	0	0	0
12V power supply			0	o	0	0	0	0

Lights and indicators

Headlights		٠	٠	٠	٠	٠	•
Rear combination lights		٠	•	٠	٠	٠	٠
Flashing beacon		0	0	0	0	0	0
Lowered flashing beacon		0	0	0	0	0	0
Front combination lights		0	0	0	0	0	0
Rear working light with switch		0	0	0	0	0	0
Key off, headlight off system		0	0	0	0	0	0
Back-up buzzer		0	0	0	0	0	0

Bodv

Full hydraulic power steering			٠	٠	٠	٠	٠	٠
Adjustable tilt steering column			٠	٠	٠	٠	٠	•
Tilt cylinder boots			٠	٠	٠	٠	٠	•
Foot operated parking brake			٠	٠	٠	٠	٠	•

standard option

OK monitorII
systemImage: systemImage: systemImage: systemDigital multifunction display (Deluxe)Image: systemImage: systemRear-view mirrorImage: systemImage: systemPanoramic mirrorImage: systemImage: systemFront windshield and roofImage: systemImage: systemCab w/o doorsImage: systemImage: systemCab with canvas doorsImage: systemImage: systemSteel cabImage: systemImage: systemDeluxe cabinImage: systemImage: systemSeat mounted minileversImage: systemImage: system
Digital multifunction display (Deluxe)III </td
Rear-view mirrorIII
Panoramic mirrorIII
Front windshield and roofII
Cab w/o doorsIII <t< td=""></t<>
Cab with canvas doorsII
Steel cabII<
Deluxe cabin••• <th< td=""></th<>
Seat mounted minilevers
Seat mounted multifunction levers
Toyota ORS seat (Operator Restrain
System) (vinyl)
Fabric ORS seat • • • • • • • • •
Swivel seat • • • • • • • •
Rear assist grip with horn button
Electric wet disk parking brake • • • • • • • •
Long life coolant 50%
Double accel pedal • • • • • • • •
Max speed and acceleration reduction with
lifted load
Telescopic steering column • • • • • • • • •
High overhead guard (+125 mm) + high
comfort seat

Safety features

Jailery Latares								
Toyota SAS (System of Active Stability)			٠	٠	٠	٠	٠	٠
Operator Presence Sensing System (OPS)			•	•	٠	٠	٠	•

Tyres

Pneumatic shaped cushion tyres		•	٠	٠	٠	٠	٠
Pnuematic tyres		0	0	0	0	0	0

Special applications

Cold environment version		0	0	0	0	0	0
Dusty environment spec		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 Synchronizer, SAS Swing Lock Cylinder.

Toyota industrial engines

All Toyota engines are built in-house, for quality and longterm reliability. They are specifically designed for industrial applications, providing quick acceleration and optimised fuel efficiency.

Hydrostatic transmission

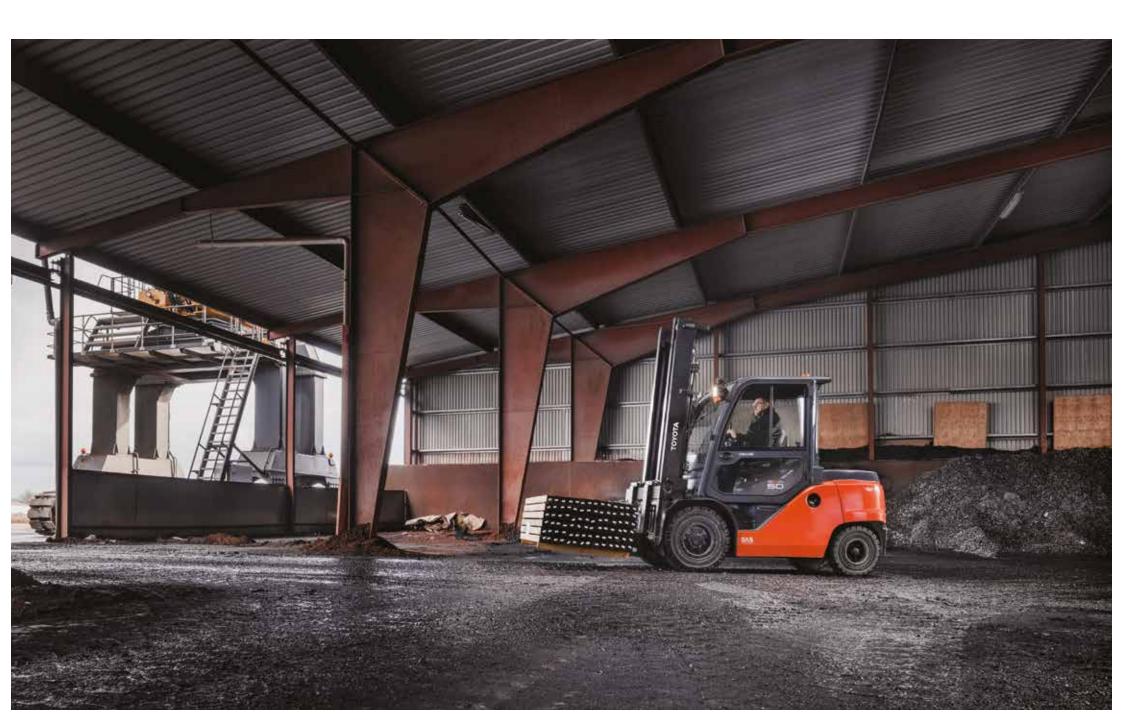
The hydrostatic (HST) version offers an alternative to the torque converter version by delivering powerful engine braking and acceleration with pre-set driving parameters, quick direction change, independent lift and drive functionality, an electrical parking brake and 'stop-on-ramp' functionality.

Outstanding driver experience

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard. The workspace is comfortable and spacious, boosting productivity.

TPS-based reliability

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



TOYOTA TONERO HIGH-TONNAGE

Powerful and precise in all applications, the Toyota Tonero higher tonnage family takes productivity to a new level. Designed to move loads up to 8 tonnes with ease, they are built for intensive operation, multi-load handling or for use with heavy attachments.

SPECIFICATIONS

Load capacity: 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0 t @ 600 mm load centre

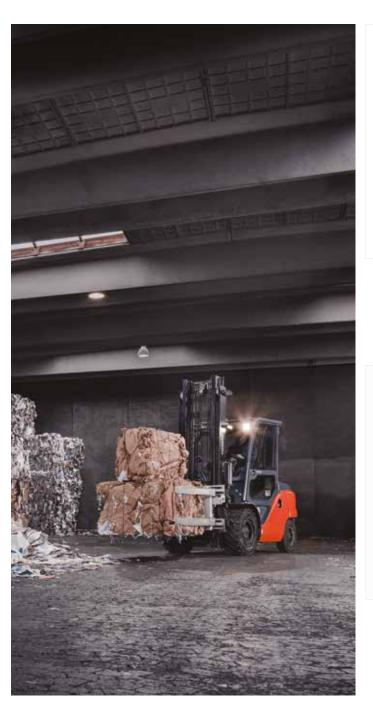
Maximum lift height: 6.0 m

Engine choice: .1KD (diesel – 55 kW) .1FS (LPG/gasoline – 62 kW)

Available with: LSite

SΛS







Clean, state-of-the-art Toyota 1KD common rail diesel engine



Spacious and comfortable driver compartment with superb 360° visibility



Steel cabin option offers a high comfort level in all weather conditions



Highly effective cooling systems ensure consistent performance in all environments

• standard ° option	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Load handling											
Wide Visible Mast (V)					٠	٠	٠	٠	٠	٠	٠
Full-free 2-stage mast (FV)					0	0	0	0	0	0	o
Full-free 3-stage mast (FSV)					0	0	0	0	0	0	0
Heavy duty mast					0	0					
Fully oil charged lift cylinder					0	0	0	0	0	0	0
Heavy duty hydraulic accumulator					0	0	0	0	0	0	0
Hook-on sideshift					0	0	0	0	0	0	0

Engine

Diesel version (8FDN)		٠	٠	٠	٠	٠	٠	٠
Gasoline version (8FGN)		•	٠	٠	٠	٠	٠	•
LPG exclusive		0	0	0	0	0	0	0
LPG convertible (Z3)		0	0	0	0	0	0	0
LPG bracket (swing-down type)		0	0	0	0	0	0	0
Hydrodynamic transmission		٠	٠	٠	٠	٠	٠	•
Load sensing power steering		٠	٠	٠	٠	•	٠	•
Travel speed limitation control		•	•	٠	٠	•	٠	•
Overheat-detection engine-output limiter		•	•	٠	٠	•	•	•
Radiator screen		•	٠	٠	٠	٠	٠	•
Torque converter oil cooler		•	٠	٠	٠	•	•	•
High capacity cooling		0	0	0	0	0	0	0
Upswept exhaust		0	0	0	0	0	0	0
3-way catalytic converter		0	0	0	0	0	0	0
Cyclone air cleaner		0	0	0	0	0	0	0
Pre-cleaner		0	0	0	0	0	0	0
Plate fin radiator		0	0	0	0	0	0	0
LPG warning indicator		0	0	0	0	0	0	0
Cooling fan booster		0	0	0	0	0	0	0
High capacity alternator, 80A		0	0	0	0	•	٠	•
High capacity battery		0	0	0	0	0	0	0
Transmission protection system		0	0	0	0	0	0	0

Lights and indicators

Headlights with guard		٠	٠	٠	٠	٠	٠	٠
Rear combination lights		٠	٠	٠	٠	٠	٠	٠
Front combination lights		0	0	0	0	0	0	0
LED head lights		0	0	0	0	0	0	0
Rear working light		0	0	0	0	0	0	0
Key off, headlight off system		0	0	0	0	0	0	0
Back-up buzzer		0	0	0	0	0	0	0

standard option

Body									
Full hydraulic power steering with load sensing			•	•	•	•	•	•	•
Adjustable tilt steering column			٠	•	٠	٠	٠	•	٠
OK monitor			0	0	0	0	0	0	0
Combination meter including self diagnostic system			•	•	•	•	•	•	•
Digital multifunction display (Deluxe)			0	0	0	0	0	0	0
Rear view mirror			0	0	0	0	0	0	0
Front windshield and roof			0	0	0	0	0	0	0
Cab w/o doors			0	0	0	0	0	0	0
Cab with canvas doors			0	0	0	0	0	0	0
Steel cab			0	0	0	0	0	0	0
Heater			0	0	0	0	0	0	0
High spec heater			0	0	0	0	0	0	0
Defroster			0	0	0	0	0	0	0
Minilevers			0	0	0	0	0	0	0
Multifunction levers			0	0	0	0	0	0	0
Toyota ORS seat (Operator Restraint System)			•	•	•	•	•	•	•
Fabric ORS seat			0	0	0	0	0	0	0
Seat with air suspension			0	0	0	0	0	0	0
Swivel seat			0	0	0	0	0	0	0
Rear assist grip			0	0	0	0	0	0	0
D2 pedal			0	0	0	0	0	0	0
Long life coolant 50%			٠	٠	٠	٠	٠	٠	•
Telescopic steering column			0	0	0	0	0	0	0
Low height headguard (2200 mm)					0	0			
+75 mm overheadguard & Comfort seat			0	0	0	0	0	0	0

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Safety features

Toyota SAS (System of Active Stability)		•	•	•	٠	•	٠
Operator Presence Sensing System (OPS)		•	•	٠	٠	٠	٠

Tvres

Pneumatic tyres			٠	٠	٠	٠	٠	٠	٠
Pneumatic shaped cushion tyres			0	0	0	0	0	0	0

Special applications

Cold weather spec				0	0	0	0	0	

Tovota 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 Synchronizer, SAS Swing Lock Cylinder.

Toyota industrial engines

All Toyota engines are built in-house, for quality and longterm reliability. They are specifically designed for industrial applications, providing quick acceleration and optimised fuel efficiency. The Tonero trucks come with a diesel or LPG engine. The Toyota 1KD engine with common rail fuel injection offers high acceleration, drive and lift speeds and it achieves an emission level significantly below the stage IIB regulation requirements without the need of a diesel particulate filter. The compact LPG/gasoline Toyota 1FS engine comes with electronic fuel injection and excels at optimum truck performance and fuel efficiency.

Durable partner

A strong steel frame and overhead guard increases protection of the driver and a robust dual stage torque convertor ensures high durability and starting force with no gearshift. Highly efficient cooling ensures a long working life for key components and keeps productivity high in tough working conditions.

Outstanding driver experience

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard. The workspace is comfortable and spacious, boosting productivity. The load-sensing power steering offers a highly comfortable and precise steering at all driving speeds and all load weights.

TPS-based reliability

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

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 90% 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.





MATERIAL HANDLING