ENGINE POWERED FORKLIFT

8FG/8FD 1.0 to 3.5 ton

TOYOTA

8

SERIES

TOYOTA

The Mastery of True Potential

Mastery of any undertaking can only be achieved if there is true potential and unwavering dedication to excellence. To Toyota, the 8 Series is the proud culmination of 50 years in the pursuit of mastery in the development and manufacture of forklifts.

All who experience the level of mastery in the 8 Series will be inspired to reach for higher goals.

Here, Toyota integrated outstanding comfort and excellent operability into a operator's compartment that realizes operator friendliness. The 8 Series is also equipped with high technology that contributes to the creation of a safe workplace.

Features and equipment may vary depending on market.

Outstanding Comfort and Visibility

The 8 Series provides the comfort and visibility for long hours of efficient operation.

Efficiency-Boosting Operability

The operator's compartment is carefully designed to ensure maximum forklift control from minimum operator effort.

Top-Class Stability

Toyota's System of Active Stability (SAS), Operator Presence Sensing (OPS) system and Travel and Load Handling Control provide innovative, high-tech stability to the 8 Series.

Environmental Friendliness

Low noise and exhaust emissions make the 8 Series environmentally friendly.

Built-in Reliability and Serviceability

Designed to be tough and easy to maintain.

True Potential Through Outstanding Comfort and Visibility

Comfort is a Toyota tradition. With the 8 Series, it starts from the time you enter. Grab the large assist grip, place your foot on the wide, low step and slide into the operator's seat that provides comfort, support and retention. Once you have been seated and wrapped your hands around the small-diameter steering wheel you will intuitively feel that everything you need for operating the forklift is within natural reach. You will also instantly realize that you have a clear view of the forks and load. This comfort sets the stage for reaching the true potential of the forklift from Toyota.

Features and equipment may vary depending on market.

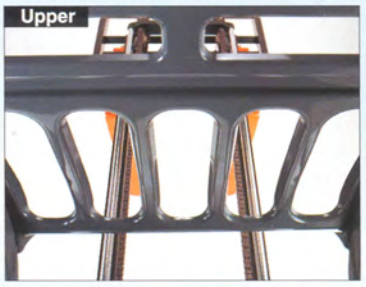
Easy Entry and Exit

A large assist grip, A deep, wide step and a spacious opening team up for easy entry onto the forklift.

Comfort and Support ORS* Seat

The ORS seat can be adjusted 150 mm forward and backward to provide comfort and support to almost all sizes of operators.
*ORS: Operator Restraint System

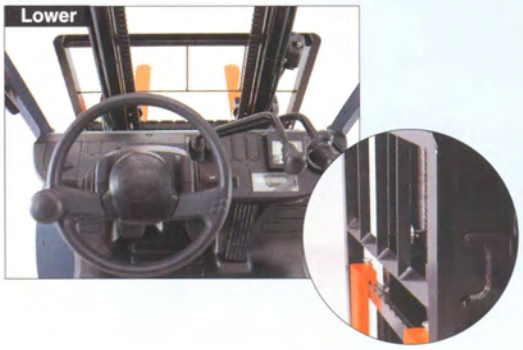
Outstanding Visibility



The overhead guard, mast and instrument panel have been designed to provide excellent visibility of the fork tips at the most frequently used lift heights.

Wide Floor Space

The spacious floor area enables a more relaxed operating position that contributes to comfort.



True Potential Through Outstanding Operability

Toyota used the latest technology to reexamine forklift operation in its search for enhanced operability. Motion-capture technology monitored every aspect of operator movement looking for ways to make operation more efficient. Based on these findings, well-thought-out design changes were combined to make the 8 Series ready to transform every action of the operator into smooth and efficient operation.

Operator-Friendly Steering Wheel

The small-diameter steering wheel teams up with the full hydraulic power steering system to provide excellent maneuverability. The steering column offers step-less adjustment to accommodate a wide range of operator preferences.

Foot-Activated Parking Brake (Powershift models)

The operator simply depresses the parking brake pedal to set it without changing operating position. A conveniently located handle is used to release it.

Rear-Pillar Assist Grip OPT / Swivel Seat OPT

The seat swivels to the right to facilitate operation in reverse. The seat also swivels to the left to make it easier to enter and exit the forklift. An optionally available rear-pillar assist grip with a horn button enhances comfort by offering easy horn operation while traveling in reverse.

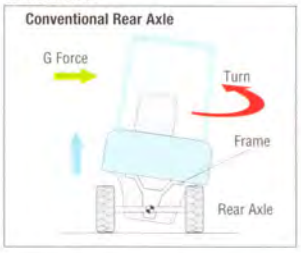
Features and equipment may vary depending on market.

True Potential Through Outstanding Stability

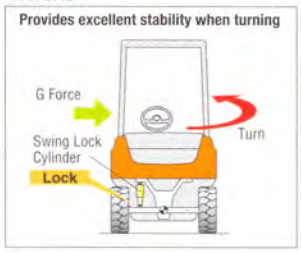
At Toyota, safety is top priority in the quest for attaining true potential. Here, the state-of-the-art technology found in the System of Active Stability (SAS), which earned high praise on the 7 Series, helps to reduce the potential for accidents. Other innovative functions, such as the Operator Presence Sensing System (OPS) and optional Travel and Load Handling Control are ready to assist in protecting the operator and the load. Toyota's continuous efforts toward safety provide you with a solid foundation for outstanding stability.

Active Control Rear Stabilizer SAS OPT

Without SAS



With SAS



An onboard computer monitors the movement of the forklift and locks the swing of the rear axle when necessary, such as during turns.

Note: The Active Control Rear Stabilizer is not installed when the forklift is originally equipped with optional dual front tires.

Active Steering Synchronizer SAS OPT

Without SAS

With SAS

This function ensures that the position of the steering wheel unvaryingly corresponds with the position of the rear steer wheels.

Active Mast Function Controller SAS OPT

Active Mast Front Tilt Angle Control
Forward mast tilt angle is automatically restricted when heavy loads are being handled at high mast heights.

Active Mast Rear Tilt Speed Control
Rear tilt speed is controlled in relation to lift height. Mast tilt is slowed for better control at high lift heights and allowed to operate at regular speed when loads are closer to the ground.

Automatic Fork Leveling Control
The operator simply presses a button on the tilt lever during tilting forward operation from the rear tilted position and it will automatically return the forks to a level position, ready for the next operation.

SAS + OPS

System of Active Stability — Operator Presence Sensing

Operator Presence Sensing System OPS

This lamp illuminates and a signal sounds to inform the operator that OPS is about to be activated.
A warning function informs the operator when the direction selection lever has not been returned to neutral.

This system uses a switch sensor built into the operator's seat to detect the presence of the operator. If the operator is not in the normal operating position, travel power is interrupted and load handling operations are stopped.

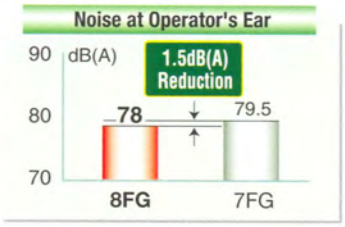
Note: OPS does not operate the brakes. Always set the parking brake before leaving the forklift.
Travel OPS is not available on manual transmission models.

True Potential Through Outstanding Environmental

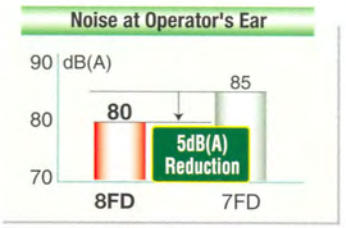
The 8 Series is easy to get along with. It is specially designed to provide the operator and all those working nearby with a pleasant work environment. Low noise operation, low exhaust emissions and low vibration all mean that the 8 Series will hardly be noticed as it diligently enhances productivity at the workplace. And the 8 Series demonstrates that Toyota is continuing to make progress in eliminating harmful chemicals from the components of its forklifts, making them even more environmentally friendly.

Low-Noise Design

Meet your silent partner. Thick-sealing under the floorboards and the use of sound-absorbing and sound-proofing materials all work together to give the 8 Series low-noise operation.



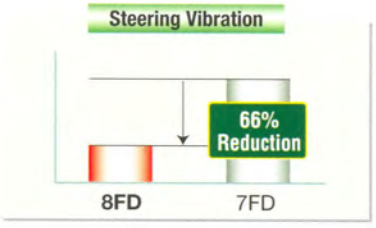
4Y Gasoline models



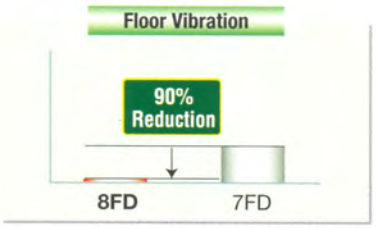
1DZ-II Diesel models

Low-Vibration Design

Carefully designed engine and drive train mounts dramatically reduce the amount of vibration felt at the floorboard and steering wheel.



Diesel models



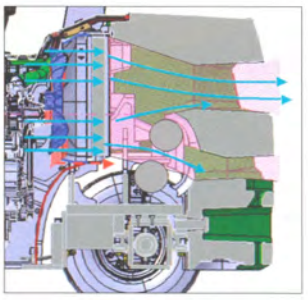
Diesel models

True Potential Through Outstanding Reliability &

Reliability is what Toyota forklifts have proven themselves to provide under harsh conditions the world over. This is because Toyota is always committed to boosting reliability. The use of resin parts has been reduced as much as possible along with other steps to enhance durability. The result is a forklift that will offer an extended life.

Tilt Cylinder Boots

Each boot covers the exposed portion of the rod for the tilt cylinder, protecting it and the oil seals.



Cooling System

Ample cooling raises reliability by preventing overheating. The size of the opening in the counterweight has been increased to optimize air flow through the engine compartment and power unit.

Water-Resistant Connectors

Connectors for most electrical components are highly water-resistant, increasing the reliability of the electrical system.

Long Life Tire OPT

Wear resistant tires help reduce running costs and provide extended life.

Serviceability

Serviceability can help boost the reliability of a forklift and extend its service life. The 8 Series has been designed so that anyone can easily inspect it. If service is needed, easy access can help to reduce downtime.

Engine Hood

The wide-opening engine hood provides easy access for inspections or servicing.

Radiator Cover

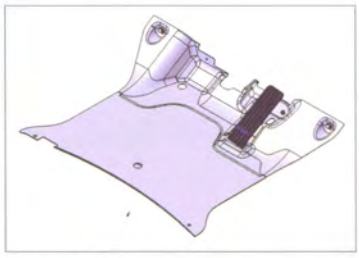
No tools are needed to remove the radiator cover. The fasteners can easily be turned by hand to enable quick inspections or servicing.

Brake Fluid

Simply lift up the cover on the panel to check the brake fluid.

Hood Latch

The easy-to-operate latch provides quick access to the engine compartment.



Floorboard

A two-piece design makes the floorboard easier to lift and handle. Remove these two pieces for wide open access to the engine and power train.

Scheduled-Maintenance Hour Warning Indicator (Multifunction Display OPT)

When the set time for maintenance is reached, this feature provides visible and audible notification.

MODEL VARIATION

1 Ton Series

2 Ton Series

3 Ton Series

MAIN SPECIFICATIONS

Model			8FG10 8FD10	8FG15 8FD15	8FG18* 8FD18*	8FGK20* 8FDK20*	8FG20 8FD20	8FGK25* 8FDK25*	8FG25 8FD25	8FGK30* 8FDK30*	8FG30 8FD30	8FGJ35 8FDJ35
Engine Model			4Y 1DZ-II	4Y 1DZ-II	4Y 1DZ-II	4Y 1DZ-II	4Y 1DZ-II, 2Z	4Y 1DZ-II	4Y 1DZ-II, 2Z	4Y 1DZ-II	4Y 1DZ-II, 2Z	4Y 1DZ-II, 2Z
Load Capacity		kg	1,000	1,500	1,750	2,000	2,000	2,500	2,500	3,000	3,000	3,500
Load Center		mm	500	500	500	500	500	500	500	500	500	500
Overall Width	A	mm	1,045	1,070	1,070	1,155	1,150	1,155	1,150	1,255	1,240	1,290
Turning Radius(outside)	B	mm	1,910	1,990	2,010	2,040	2,200	2,090	2,280	2,130	2,430	2,490
Overhead Guard Height	C	mm	2,080	2,080	2,080	2,085	2,110	2,085	2,110	2,085	2,170	2,180
Length to Fork Face	D	mm	2,245	2,290	2,315	2,380	2,560	2,445	2,635	2,520	2,795	2,865

NOTE: *Powershift models

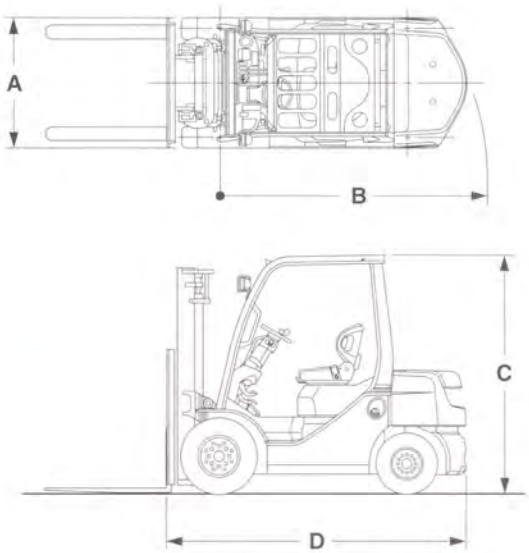
ENGINE SPECIFICATIONS

Model		TOYOTA 4Y Gasoline
Piston Displacement	cc	2,237
Rated Power/r.p.m.	kW	40/2,400 (43/2,600)
Rated Torque/r.p.m.	N-m	162/1,800

NOTE: ( ) for 30(32)-8FG30.8FGJ35

Model		TOYOTA 1DZ-II Diesel	TOYOTA 2Z Diesel
Piston Displacement	cc	2,486	3,469
Rated Power/r.p.m.	kW	40/2,400 [44/2,600]	49/2,200
Rated Torque/r.p.m.	N-m	167/1,600	216/1,600

NOTE: [ ] for 60(62)-8FD20.25.30.J35



The data in this brochure is determined based on our standard testing condition.
The performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.
Availability and specifications depend on region and are subject to change without notice.
Due to photography and printing, color of actual vehicle may vary from this brochure. Some photos have been computer-enhanced.
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TOYOTA
INDUSTRIAL EQUIPMENT

TOYOTA MATERIAL HANDLING INTERNATIONAL

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